APPENDIX J

DISPOSAL MANIFESTS AND SCALE TICKETS

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277080 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC
347-677-2860
535 Madison Ave
NEW YORK, NY 10022
Generator's Phone:

Generator's Site Address (if different than mailing address):
GPL Development LLC
45 Commercial Street
BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #13 - A7184C
U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
U.S. EPA ID Number: NJD991291105
Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	20	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead Impacted soil-Haz
LB22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton
Signature:
Month: 8 Day: 10 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Arvind
Signature:
Month: 08 Day: 10 Year: 2021
Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Lead: 47240 lbs
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month: 8 Day: 10 Year: 2021

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DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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CLEAN

Faster, smarter, greener solutions...

GENERATOR CPL

MAN. NO. 006377080 GBR

TRANSPORTER Cnell

VEHICLE ID. B

DRIVER ON OFF

REMARKS:

IN

12:55 PM 8/10/2021

73580 lb G

OUT

01:37 PM 8/10/2021

28840 lb G

WEIGHER

WEIGH-TRONIX®

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277081 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC
347-677-2860
535 Madison Ave
NEW YORK, NY 10022
Generator's Phone:

Generator's Site Address (if different than mailing address):
GPL Development LLC
45 Commercial Street
BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation # 12 (NJ) AX-483C
U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1 RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead impacted soil-Haz
LB22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton
Signature
Month 8 Day 10 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Shineyden Oliveira
Signature
Month 8 Day 10 Year 21

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month 8 Day 10 Year 21

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IN

12:41 PM 8/10/2021

75560 lb G

GENERATOR CPL

MAN. NO. 006377081 JBR

TRANSPORTER Pride

VEHICLE ID. B

~~01:00 PM 8/10/2021~~

OUT

DRIVER ON OFF

28080 lb G

REMARKS:

47480

WEIGHER

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000250993	1	9176848555	006277082 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022
347-677-2860
Generator's Phone:

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #10 AU9524
U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
9733444004
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead Impacted soil-Haz
LB22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton
Signature: [signature]
Month 8 Day 10 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Vicario
Signature: [signature]
Month 8 Day 10 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Lead, 4950 LBS
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Received Pending Manifest Review/Quality Control Data
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature]
Signature: [signature]
Month 8 Day 10 Year 21

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

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IN

12:27 PM 8/10/2021

78620 lb G

GENERATOR GPL

MAN. NO. 006977083GBP

TRANSPORTER Buell

VEHICLE ID. 10

~~12:45 PM 8/10/2021~~

DRIVER ON OFF

29100 lb G OUT

REMARKS:

WEIGH-TRONIX®

49320

WEIGHER

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277083 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022
347-677-2860
Generator's Phone:

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #10 AV9524 — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
9733444004
Facility's Phone: — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead Impacted soil-Haz
LB17

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature — Month: 8 Day: 10 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike V. Carlo — Signature — Month: 8 Day: 10 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Lead: 4/16/2018
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year
Received Pending Manifest Review/Quality Control Data

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Smith — Signature — Month: 8 Day: 10 Year: 21

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GENERATOR CPL

MAN. NO. 0062M08CBR

TRANSPORTER Cpied

VEHICLE ID. 10

DRIVER ON OFF

REMARKS:

IN

08:34 AM 8/10/2021

77040 lb G

OUT

09:57 AM 8/10/2021

29380 lb G

47660

WEIGHER

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000250993	1	9176848555	006277084 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022, 347-677-2860

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

Generator's Phone:

6. Transporter 1 Company Name: Grid Logistics Transportation #13 - AX484C — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032, 9733444004 — U.S. EPA ID Number: NJD991291105

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	20	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

(1) 213081996 - Lead Impacted soil-Haz

LB17

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature: [signature] — Month 8 Day 10 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: J. Axelino — Signature: [signature] — Month 08 Day 10 Year 2021

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Recd: 57720483

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.

Printed/Typed Name: [signature] — Signature: [signature] — Month 8 Day 10 Year 21

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

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GENERATOR CPL

MAN. NO. 00637708 4 OBR

TRANSPORTER Grid B

VEHICLE ID.

DRIVER ON OFF

REMARKS:

IN

08:39 AM 8/10/2021

79100 lb G

OUT

10:07 AM 8/10/2021

27380 lb G

WEIGHER

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000250993	1	9176848555	006277085 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022
347-677-2860
Generator's Phone:

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
9733444004
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead Impacted soil-Haz
LB17

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature: [signature] — Month 8 Day 10 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Schineydon Oliveira — Signature: [signature] — Month 8 Day 10 Year 21
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Recd: 4/28/23
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Received Pending Manifest Review/Quality Control Data
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month 8 Day 10 Year 21

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DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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GENERATOR CPL

MAN. NO. 0063770 85 GBR

TRANSPORTER Cined

VEHICLE ID. B

DRIVER ON OFF

REMARKS:

IN

08:38 AM 8/10/2021

76760 lb G

OUT

10:06 AM 8/10/2021

28480 lb G

WEIGH-TRONIX®

48380

WEIGHER

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NYR000250993	2. Page 1 of 1	3. Emergency Response Phone 9176848555	4. Manifest Tracking Number 006277079 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022, 347-677-2860

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

Generator's Phone:

6. Transporter 1 Company Name: Grid Logistics Transportation #7 AX994B — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032, 9733444004 — U.S. EPA ID Number: NJD991291105

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

(1) 213081996 - Lead Impacted soil-Haz

LB22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature: [signature] — Month 8 Day 9 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gui Nobrega — Signature: [signature] — Month 8 Day 11 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Recd: 5300 KBS

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Received Pending Manifest Review/Quality Control Data

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

[illegible] Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

[signature] — Signature: [signature] — Month 8 Day 11 Year 21

[illegible] Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

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GENERATOR CPL

MAN. NO. 0060770798BR

TRANSPORTER Grid

VEHICLE ID. 7

DRIVER ON OFF

REMARKS:

IN

08:33 AM 8/11/2021

83580 lb G

OUT

09:40 AM 8/11/2021

29080 lb G

WEIGH-TRONIX®

54500

WEIGHER

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000250993	1	9176848555	006277078 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022
347-677-2860
Generator's Phone:

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #13 AX484C
U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
9733444004
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	20	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead Impacted soil-Haz
LB22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton
Signature:
Month 8 Day 9 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: J. Avelino
Signature:
Month 08 Day 09 Year 2021
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Recd: 4360 LBS
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: B Mitt
Signature:
Month 8 Day 11 Year 21

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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GENERATOR CPL

MAN. NO. 0062MCM8JBR

TRANSPORTER Oxid

VEHICLE ID. B

DRIVER ON OFF

REMARKS:

IN

08:41 AM 8/11/2021

72200 lb G

OUT

09:34 AM 8/11/2021

29080 lb G

43120

WEIGHER

WEIGH-TRONIX®

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NYR000250993	~~2. Page 1~~ of 1	3. Emergency Response Phone 9176848555	4. Manifest Tracking Number 006277077 GBF

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022, 347-677-2860

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

Generator's Phone:

6. Transporter 1 Company Name: Grid Logistics Transportation #13-Ax484c — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032, 9733444004 — U.S. EPA ID Number: NJD991291105

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1 RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	20	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

(1) 213081996 - Lead Impacted soil-Haz

LB22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature: [signature] — Month 8 Day 9 Year 21

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [signature] — Signature: [signature] — Month 08 Day 09 Year 2021

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Recd: 38080433

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

Received Pending Manifest Review/Quality Control Data

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.

Printed/Typed Name: [signature] — Signature: [signature] — Month 8 Day 11 Year 21

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

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CLEAN

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GENERATOR CPL

MAN. NO. 0062M077CBR

TRANSPORTER Cwid

VEHICLE ID. 13

DRIVER ON OFF

REMARKS:

IN

12:01 PM 8/11/2021

66920 lb G

12:50 PM 8/11/2021

OUT

28840 lb G

38080

WEIGHER

WEIGH-TRONIX®

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277076 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC
347-677-2860
535 Madison Ave
NEW YORK, NY 10022
Generator's Phone:

Generator's Site Address (if different than mailing address):
GPL Development LLC
45 Commercial Street
BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #7 AX9946 — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead impacted soil-Haz
LB 18

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature — Month 8 Day 9 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Guy Nobles — Signature — Month 8 Day 16 Year 21
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd 49300 lbs
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Morris — Signature — Month 8 Day 16 Year 21

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GENERATOR GPL

MAN. NO 006274076GBP

TRANSPORTER GRD

VEHICLE ID. 7

DRIVER ON OFF

REMARKS:

IN

12:38 PM 8/16/2021

78220 lb G

OUT

12:53 PM 8/16/2021

28920 lb G

WEIGH-TRONIX®

4930

WEIGHER

Item 18. Discrepancy

Item 18a. Discrepancy Indica

1. The authorized represe
described on the manife
and 265.72(b)) between
waste a facility actually
residues, which are resi

2. For rejected loads and
load (*i.e.*, rejected by the
cannot be removed from
reference the manifest t
Indicate the original mar

3. Owners or operators of
program) who cannot re
a letter with a copy of th

4. Owners or operators of
hazardous waste manag
differences" to state offic

Item 18b. Alternate Facility (o

Enter the name, address,
with the generator, to rece
facility may enter the gene

Item 18c. Alternate Facility (o

The authorized representa
acknowledge receipt of the

Item 19. Hazardous Waste Re

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first facility that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the facility.

Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting facility as offeror of the shipment.

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- **This manifest (Revision 12-17) must be used and all previous editions are prohibited.**
- **Any facility (e.g., a RCRA-permitted facility, Subtitle D facility) that receives a manifest accompanying a state-only regulated waste must comply with 40 CFR 264.71 or 265.71 (use of the manifest) and 40 CFR 264.72 or 265.72 (manifest discrepancies).**
- **Any facility that receives a paper manifest accompanying a federally regulated hazardous waste or state-only regulated waste must submit the top copy (Page 1) of the manifest and any continuation sheets to the U.S. EPA's e-Manifest system within 30 days. The copies must be submitted in an acceptable format. Submissions must be made at the mailing address or electronic mail/submission address specified at the e-Manifest program website's directory of services (see www.epa.gov/e-manifest).**
- **The facility will be assessed a fee for each manifest copy submitted.**
- **Go to www.epa.gov/e-manifest for the directory of services and additional information.**

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277072 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC
347-677-2860
535 Madison Ave
NEW YORK, NY 10022

Generator's Site Address (if different than mailing address):
GPL Development LLC
45 Commercial Street
BROOKLYN, NY 11222

Generator's Phone:

6. Transporter 1 Company Name: Grid Logistics Transportation — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032

U.S. EPA ID Number: NJD991291105

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead impacted soil-Haz
LB 18

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature — Month: 8 Day: 16 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Schweyer Olivera — Signature — Month: 8 Day: 16 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rcd 47520lb
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

Received Pending Manifest Review/Quality Control Data

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Morkert — Signature — Month: 8 Day: 16 Year: 21

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GENERATOR GPL

MAN. NO. 006277072GBF

TRANSPORTER GRD

VEHICLE ID. 12

DRIVER ON OFF

REMARKS:

IN

09:48 AM 8/16/2021

75600 lb G

OUT

09:58 AM 8/16/2021

28080 lb G

WEIGH-TRONIX®

47520

WEIGHER

Item 18. Discrepancy

Item 18a. Discrepancy Indica

1. The authorized represe described on the manife and 265.72(b)) between waste a facility actually residues, which are res

2. For rejected loads and load (*i.e.*, rejected by th cannot be removed fro reference the manifest Indicate the original ma

3. Owners or operators o program) who cannot a letter with a copy of t

4. Owners or operators o hazardous waste man differences" to state o

Item 18b. Alternate Facility

Enter the name, address with the generator, to re facility may enter the ge

Item 18c. Alternate Facility

The authorized represe acknowledge receipt of

Item 19. Hazardous Waste Report Management Method Code

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first facility that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the facility.

Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting facility as offeror of the shipment.

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- **This manifest (Revision 12-17) must be used and all previous editions are prohibited.**
- **Any facility (e.g., a RCRA-permitted facility, Subtitle D facility) that receives a manifest accompanying a state-only regulated waste must comply with 40 CFR 264.71 or 265.71 (use of the manifest) and 40 CFR 264.72 or 265.72 (manifest discrepancies).**
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- **The facility will be assessed a fee for each manifest copy submitted.**
- **Go to www.epa.gov/e-manifest for the directory of services and additional information.**

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000250993	1	9176848555	006277071 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC
347-677-2860
535 Madison Ave
NEW YORK, NY 10022
Generator's Phone:

Generator's Site Address (if different than mailing address)
GPL Development LLC
45 Commercial Street
BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #7 AX994B — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1 RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead impacted soil-Haz
LB18

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature — Month 8 Day 9 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Guy Noreen — Signature — Month 8 Day 16 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd 5/20/16
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Received Pending Manifest Review/Quality Control Data

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Norhas — Signature — Month 8 Day 16 Year 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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GENERATOR GPL

MAN. NO. 006277071GBP

TRANSPORTER GRD

VEHICLE ID. 7

DRIVER ON OFF

REMARKS:

IN

08:37 AM 8/16/2021

80420 lb G

OUT

09:51 AM 8/16/2021

29220 lb G

WEIGH-TRONIX®

5120

WEIGHER

Item 18. Discrepancy

Item 18a. Discrepancy Indicati

1. The authorized represent
described on the manifes
and 265.72(b)) between
waste a facility actually r
residues, which are resid

2. For rejected loads and re
load (*i.e.*, rejected by the
cannot be removed from
reference the manifest tr
Indicate the original man

3. Owners or operators of f
program) who cannot res
a letter with a copy of the

4. Owners or operators of f
hazardous waste manag
differences" to state offic

Item 18b. Alternate Facility (or

Enter the name, address, p
with the generator, to recei
facility may enter the gener

Item 18c. Alternate Facility (or

The authorized representat
acknowledge receipt of the

Item 19. Hazardous Waste Re

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first facility that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the facility.

Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting facility as offeror of the shipment.

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- **Any facility (e.g., a RCRA-permitted facility, Subtitle D facility) that receives a manifest accompanying a state-only regulated waste must comply with 40 CFR 264.71 or 265.71 (use of the manifest) and 40 CFR 264.72 or 265.72 (manifest discrepancies).**
- **Any facility that receives a paper manifest accompanying a federally regulated hazardous waste or state-only regulated waste must submit the top copy (Page 1) of the manifest and any continuation sheets to the U.S. EPA's e-Manifest system within 30 days. The copies must be submitted in an acceptable format. Submissions must be made at the mailing address or electronic mail/submission address specified at the e-Manifest program website's directory of services (see www.epa.gov/e-manifest).**
- **The facility will be assessed a fee for each manifest copy submitted.**
- **Go to www.epa.gov/e-manifest for the directory of services and additional information.**

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000250993	1	9176848555	006277075 GBF

GENERATOR

5. Generator's Name and Mailing Address: GPL Development LLC, 535 Madison Ave, NEW YORK, NY 10022
Generator's Phone: 347-677-2860

Generator's Site Address (if different than mailing address): GPL Development LLC, 45 Commercial Street, BROOKLYN, NY 11222

6. Transporter 1 Company Name: Grid Logistics Transportation #11 AW524A — U.S. EPA ID Number: NJR986653780

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032 — U.S. EPA ID Number: NJD991291105
Facility's Phone: 9733444004

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PG-III	1	DT	22	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 213081996 - Lead impacted soil-Haz

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Guy Morton — Signature — Month 8 Day 9 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RAY SMITH — Signature — Month 10 Day 28 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Recd 45740 lbs
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest eview/Quality Control Date

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug MORRIS — Signature — Month 10 Day 28 Year 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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CLEANEARTH

Faster, smarter, greener solutions...

GENERATOR GPL

MAN. NO 026277075GBF

TRANSPORTER GRD

VEHICLE ID. 11

DRIVER ON OFF

REMARKS:

IN

09:33 AM 10/28/2021

74820 lb G

OUT

11:06 AM 10/28/2021

29080 lb G

45740

WEIGHER

WEIGH-TRONIX®

Item 18. Discrepancy

Item 18a. Discrepancy Indica

1. The authorized represe described on the manif and 265.72(b)) betwee waste a facility actually residues, which are res

2. For rejected loads and load (*i.e.*, rejected by th cannot be removed fro reference the manifest Indicate the original ma

3. Owners or operators of program) who cannot re a letter with a copy of th

4. Owners or operators of hazardous waste manag differences" to state offic

Item 18b. Alternate Facility (o

Enter the name, address, with the generator, to recei facility may enter the gene

Item 18c. Alternate Facility (o

The authorized representat acknowledge receipt of the

Item 19. Hazardous Waste Re

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first facility that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the facility.

Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting facility as offeror of the shipment.

Note: The e-Manifest Act mandates several changes to the federal manifest program. Beginning on June 30, 2018:

- **This manifest (Revision 12-17) must be used and all previous editions are prohibited.**
- **Any facility (e.g., a RCRA-permitted facility, Subtitle D facility) that receives a manifest accompanying a state-only regulated waste must comply with 40 CFR 264.71 or 265.71 (use of the manifest) and 40 CFR 264.72 or 265.72 (manifest discrepancies).**
- **Any facility that receives a paper manifest accompanying a federally regulated hazardous waste or state-only regulated waste must submit the top copy (Page 1) of the manifest and any continuation sheets to the U.S. EPA's e-Manifest system within 30 days. The copies must be submitted in an acceptable format. Submissions must be made at the mailing address or electronic mail/submission address specified at the e-Manifest program website's directory of services (see www.epa.gov/e-manifest).**
- **The facility will be assessed a fee for each manifest copy submitted.**
- **Go to www.epa.gov/e-manifest for the directory of services and additional information.**

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2578865

	Date	Time	Scale
In:	08/16/2021	09:19:57	Manual
Out:	08/16/2021	09:19:57	Manual

Manifest: 1666347
Vehicle: 03-AW754A
Decal:

	Lbs.	Tns
Gross:	81,400	40.70
Tare:	29,340	14.67
Net:	52,060	26.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666347

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center Blvd, Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	81400
#1#2 Owner LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	29340
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	52060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodyear of Langan as authorized agent of CEL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 7:25

TRANSPORTER

Company: Manolos Phone Number:

Address: Truck # and License Plate: AW#SYA#20

Driver: JAIRO (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 9:11

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579661

	Date	Time	Scale
In:	08/16/2021	09:30:48	Manual
Out:	08/16/2021	09:30:48	Manual

Manifest: 1666346
Vehicle: 03-AU205L
Decal:

	Lbs.	Tns
Gross:	80,680	40.34
Tare:	29,640	14.82
Net:	51,040	25.52

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666346

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
H1H2 Owner LLC 35 Commercial Street Brooklyn NY 11222		80680
	TARE WEIGHT: ☐Tons ☐Yards	29640
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	51040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goldwasser as authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/16/2021 7:15

TRANSPORTER

Company: MANOLOS Phone Number:

Address: Bloomfield NJ Truck # and License Plate: AV205L

Driver: XAVIER SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 9:30

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579668

	Date	Time	Scale
In:	08/16/2021	09:33:18	Manual
Out:	08/16/2021	09:33:18	Manual

Manifest: 1666338
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	83,300	41.65
Tare:	28,420	14.21
Net:	54,880	27.44

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666338

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: HH2 Owner LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	83300
	TARE WEIGHT: ☐Tons ☐Yards	28420
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	54880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Gardner Co-Manager or authorized agent of CH Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 7:20

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: AW770P H8

Driver: Orelsis (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 9:32

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579675

	Date	Time	Scale
In:	08/16/2021	09:39:07	Manual
Out:	08/16/2021	09:39:07	Manual

Manifest: 1666336
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	81,640	40.82
Tare:	27,980	13.99
Net:	53,660	26.83

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666336

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Conrage center Dud
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
HH2 Dev LLC 35 Commercial Street Brooklyn NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	27980
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	53460

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP H (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Cordisch of Law on behalf of Client Development LLC Title: Tech

Signature: Date and Time: 8/16/2021 7:32

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 9:37

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579681

	Date	Time	Scale
In:	08/16/2021	09:41:44	Manual
Out:	08/16/2021	09:41:44	Manual

Manifest: 1666343
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	83,620	41.81
Tare:	28,340	14.17
Net:	55,280	27.64

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666343

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83620
HIH2 Owner LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	28340
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	55280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodnough of Langan as authorized agent of CPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 7:30

TRANSPORTER

Company: Mesa trucking Phone Number: —

Address: Secacous Truck # and License Plate: #3 AU714R

Driver: Christopher Prado (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 08/16/21 9:40

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579688

	Date	Time	Scale
In:	08/16/2021	09:44:31	Manual
Out:	08/16/2021	09:44:31	Manual

Manifest: 1666348
Vehicle: 03-AW799P
Decal:

	Lbs.	Tns
Gross:	82,220	41.11
Tare:	28,000	14.00
Net:	54,220	27.11

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666348

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 212303044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	72220
HH2 Owner LLC 35 Commercial St Brooklyn NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	28000
GENERATOR'S PHONE: 212-355-2750	NET WEIGHT: ☐Tons ☐Yards	54220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Gradwell Agent of Groundwork Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021

TRANSPORTER

Company: G Gomez Phone Number:

Address: Truck # and License Plate: [redacted] 8/16/21 AW794P

Driver: DWD Co SW Haulers Permit #: E02

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 943

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579704

	Date	Time	Scale
In:	08/16/2021	09:55:00	BETH
Out:	08/16/2021	09:55:00	BETH

Manifest: 1666350
Vehicle: 03-AW256P
Decal:

	Lbs.	Tns
Gross:	73,320	36.66
Tare:	29,620	14.81
Net:	43,700	21.85

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: COMP C,E,F,G (0-5)

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666350

GLOBAL JOB NUMBER: 1055048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Bonnard Center Blvd, Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: HH2 Owner LLC, 25 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	73320
	TARE WEIGHT: ☐Tons ☐Yards	29620
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	43700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Godfrey L of Langan as authorized agent of Gold Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 7:50 am

TRANSPORTER

Company: WP #02 Phone Number:

Address: NJ Truck # and License Plate: AW256P #02

Driver: Cristina Johnson SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8-16-21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579712

	Date	Time	Scale
In:	08/16/2021	09:59:56	BETH
Out:	08/16/2021	09:59:56	BETH

Manifest: 1666352
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	74,100	37.05
Tare:	30,040	15.02
Net:	44,060	22.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666352

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce center Bl. Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1 H2 Owner LLC	GROSS WEIGHT: ☐Tons ☐Yards	74100
35 Commercial street Brooklyn, NY 11222	TARE WEIGHT: ☐Tons ☐Yards	30040
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	44060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Gough of Langan as authorized agent of CPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:07

TRANSPORTER

Company: JC transport Phone Number:

Address: 39 Poplar Ave Truck # and License Plate: #40 AU6060

Driver: J Espinoza (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8-16-21 9:57

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579721

	Date	Time	Scale
In:	08/16/2021	10:03:02	BETH
Out:	08/16/2021	10:03:02	BETH

Manifest: 1666349
Vehicle: 03-AW629E
Decal:

	Lbs.	Tns
Gross:	77,100	38.55
Tare:	25,860	12.93
Net:	51,240	25.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666349

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2123031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: HIHZ Owner LLC 35 Commercial Street Brooklyn, NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	77100
	TARE WEIGHT: ☐Tons ☐Yards	25860
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	51240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-S), COMP F (0-S), COMP G (0-S), COMP C (0-S)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Godwyl of Langan as authorized agent of GL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021

TRANSPORTER

Company: JID. Phone Number:

Address: Truck # and License Plate: AW629E #12.

Driver: Manuel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:02

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579725

	Date	Time	Scale
In:	08/16/2021	10:06:36	BETH
Out:	08/16/2021	10:06:36	BETH

Manifest: 1666351
Vehicle: 03-AU148N
Decal:

	Lbs.	Tns
Gross:	76,860	38.43
Tare:	28,280	14.14
Net:	48,580	24.29

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: COMP C,E,F,G (0-5)

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666351

GLOBAL JOB NUMBER: 1DSS048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1H2 Owner LLC, 85 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	76860
	TARE WEIGHT: ☐Tons ☐Yards	28280
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	48580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Tyler Goodrich of Langan as authorized agent of GFT Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:05

TRANSPORTER

Company: MANOLOS TRUCKING Phone Number:

Address: Truck # and License Plate: #19 AU148N

Driver: JORGE C (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

JC

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:06

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579733

	Date	Time	Scale
In:	08/16/2021	10:09:49	BETH
Out:	08/16/2021	10:09:49	BETH

Manifest: 1666334
Vehicle: 03-AW644W
Decal:

	Lbs.	Tns
Gross:	78,840	39.42
Tare:	29,360	14.68
Net:	49,480	24.74

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: COMP C,G,F (0-5)

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666334

GLOBAL JOB NUMBER: 1005048 FACILITY APPROVAL NUMBER: 21303 10 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CG Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	78840
414 2 Owner LLC 35 commercial street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	29360
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	49480

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP (0-5), COMP F (0-5, COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: by the Owner of Lessee or authorized agent of GPI Development LLC Title: Field

Signature: Date and Time: 8/16/2021 8:10

TRANSPORTER

Company: JC Phone Number:

Address: 43 Poreste Ave Narlington NJ Truck # and License Plate: 49 AW644W

Driver: Orlando Zumba SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 10:09

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579738

	Date	Time	Scale
In:	08/16/2021	10:13:21	BETH
Out:	08/16/2021	10:13:21	BETH

Manifest: 1666353
Vehicle: 03-AW251J
Decal:

	Lbs.	Tns
Gross:	75,180	37.59
Tare:	28,440	14.22
Net:	46,740	23.37

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: COMP E,F,G,C 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666353

GLOBAL JOB NUMBER: 10850548 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem, PA 180

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1H2 Owner LLC 35 commercial Street Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-2570	GROSS WEIGHT: ☐Tons ☐Yards	75180
	TARE WEIGHT: ☐Tons ☐Yards	28440
	NET WEIGHT: ☐Tons ☐Yards	46740

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Tyler Coughlin of Langan as authorized agent of GPI Development LLC Title: Fried

Signature: [signature] Date and Time: 8/16/2021

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: #11 AW251J

Driver: RAYNER SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8.16.21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579749

	Date	Time	Scale
In:	08/16/2021	10:20:12	Manual
Out:	08/16/2021	10:20:12	Manual

Manifest: 2512277
Vehicle: 03-AW106R
Decal:

	Lbs.	Tns
Gross:	77,560	38.78
Tare:	27,360	13.68
Net:	50,200	25.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512277

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other 6 E Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 41 42 owner LLC	GROSS WEIGHT: ☐Tons ☐Yards	77560
35 commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☐Tons ☐Yards	27360
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	50200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Tyler Goodyear of Langan as authorized agent for GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:19 am

TRANSPORTER

Company: J.I.D Phone Number:

Address: Truck # and License Plate: #26 AW 106R

Driver: Ulises SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Ulises Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Ulises Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:17

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579757

	Date	Time	Scale
In:	08/16/2021	10:23:10	Manual
Out:	08/16/2021	10:23:10	Manual

Manifest: 1666354
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	86,760	43.38
Tare:	28,560	14.28
Net:	58,200	29.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666354

GLOBAL JOB NUMBER: ~~Joel~~ 1005048 FACILITY APPROVAL NUMBER: ~~8/16/21~~ 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Dlwd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	86700
~~Jorge Marcinez~~ HIH2 Owner LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	28500
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	58200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Gardner of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 7:40

TRANSPORTER

Company: Joel truckin Phone Number:

Address: Truck # and License Plate: AW 614K #6

Driver: SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/14/21 10:27

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579766

	Date	Time	Scale
In:	08/16/2021	10:25:22	Manual
Out:	08/16/2021	10:25:22	Manual

Manifest: 1666340
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	83,400	41.70
Tare:	28,180	14.09
Net:	55,220	27.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 1666340

GLOBAL JOB NUMBER: 1055048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other Bethlehem Commerce Center Blvd Bethlehem PA

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83400
H1H2 Omnicar LLC Commelcial St Brooklyn - NY 11222	TARE WEIGHT: ☐Tons ☐Yards	28180
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	55220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Comp E(1-5), Comp F(1-5) Comp G(1-5) Comp C(1-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Cowfrat or Langan Title: Field

Signature: [signature] Date and Time: 8/16.21 : 8:00

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #09

Driver: José Barzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8.16.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:24

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579817

	Date	Time	Scale
In:	08/16/2021	10:47:05	Manual
Out:	08/16/2021	10:47:05	Manual

Manifest: 2512274
Vehicle: 03-AW249J
Decal:

	Lbs.	Tns
Gross:	78,200	39.10
Tare:	28,140	14.07
Net:	50,060	25.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512274

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other GE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1 H2 Owner LLC	GROSS WEIGHT: ☐Tons ☐Yards	78200
35 Commercial Street	TARE WEIGHT:	
Brooklyn NY 11222	☐Tons ☐Yards	28140
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	50060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodrough of Langan as authorized agent for GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021

TRANSPORTER

Company: Phone Number:

Address: Truck # and License Plate: AW 2495 #15

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8:11 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X [signature] Date and Time: X 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:45

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579824

	Date	Time	Scale
In:	08/16/2021	10:50:16	Manual
Out:	08/16/2021	10:50:16	Manual

Manifest: 2512278
Vehicle: 03-AU302A
Decal:

	Lbs.	Tns
Gross:	85,460	42.73
Tare:	28,220	14.11
Net:	57,240	28.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512278

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 2130310 44

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	85460
H142 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28220
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	57240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Godrough of Langan as authorized agent for GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:23

TRANSPORTER

Company: JOEL TRUCKING Phone Number:

Address: Truck # and License Plate: AU302A

Driver: RAUL GUERRA (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 10:49

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579830

	Date	Time	Scale
In:	08/16/2021	10:53:04	Manual
Out:	08/16/2021	10:53:04	Manual

Manifest: 2512276
Vehicle: 03-AW252J
Decal:

	Lbs.	Tns
Gross:	84,900	42.45
Tare:	28,320	14.16
Net:	56,580	28.29

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2512276

GLOBAL JOB NUMBER: 100548 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
HH2 Owner LLC		34900
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	23320
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	11580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP I (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Woods of Langan as authorized agent for GPT Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:20

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: #14 AW 252J

Driver: Melchor Hernandez SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-16-21 10:45 AM

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1052

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2579855

	Date	Time	Scale
In:	08/16/2021	11:07:39	Manual
Out:	08/16/2021	11:07:39	Manual

Manifest: 2512281
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	81,360	40.68
Tare:	26,180	13.09
Net:	55,180	27.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512281

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H/H 2 ~~Owner LLC~~ GPL development LLC 35 Commercial Street Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	81360
	TARE WEIGHT: ☐Tons ☐Yards	26180
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	55180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodnough of Langan & authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 8:50

TRANSPORTER

Company: MESA TRUCK Phone Number:

Address: Truck # and License Plate: ASY20W

Driver: MAIKEL SW Haulers Permit #: #01

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1100

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580171

	Date	Time	Scale
In:	08/16/2021	13:28:19	BETH
Out:	08/16/2021	13:28:19	BETH

Manifest: 2512296
Vehicle: 03-AW386S
Decal:

	Lbs.	Tns
Gross:	76,220	38.11
Tare:	28,860	14.43
Net:	47,360	23.68

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512296

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Ohd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 commercial street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	76220
	TARE WEIGHT: ☐Tons ☐Yards	28860
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	47360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) - COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashica Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field.

Signature: [signature] Date and Time: 8/16/2021 11:00

TRANSPORTER

Company: RMU Phone Number:

Address: Truck # and License Plate: #01 AW386S

Driver: Rigoberto (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1:22

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580185

	Date	Time	Scale
In:	08/16/2021	13:33:18	BETH
Out:	08/16/2021	13:33:18	BETH

Manifest: 2512294
Vehicle: 03-AU844R
Decal:

	Lbs.	Tns
Gross:	83,520	41.76
Tare:	27,940	13.97
Net:	55,580	27.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512294

GLOBAL JOB NUMBER: 100508 **PROFILE NUMBER:** 21303 10 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83520
[redacted] GR Development LLC		
35 Commerce Street	TARE WEIGHT: ☐Tons ☐Yards	27940
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2530	NET WEIGHT: ☐Tons ☐Yards	55580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

[redacted] COMP G(05), [redacted]

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodnough at Langan as authorized agent of GR Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 11:25

TRANSPORTER

Company: SID Phone Number:

Address: Truck # and License Plate: #03-A08942R

Driver: Luis D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1:32

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580196

	Date	Time	Scale
In:	08/16/2021	13:36:03	BETH
Out:	08/16/2021	13:36:03	BETH

Manifest: 2512295
Vehicle: 03-AW968N
Decal:

	Lbs.	Tns
Gross:	84,660	42.33
Tare:	27,580	13.79
Net:	57,080	28.54

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: PDM

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512295

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HHHZ~~ GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	84660
	TARE WEIGHT: ☐Tons ☐Yards	27580
GENERATOR'S PHONE: 212-355-2510	NET WEIGHT: ☐Tons ☐Yards	57080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP E (0-5), COMP G (0-5) COMP C (0-5), COMP I (5-10)~~
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashia Motu Place of Langan as authorized agent of GLP Development LLC
Title: Field.
Signature: [signature]
Date and Time: 8/16/2021 1116

TRANSPORTER

Company: JID
Phone Number:
Address:
Truck # and License Plate: #01 AW968N
Driver: [signature] (Type or Print Clearly)
SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1:35

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580225

	Date	Time	Scale
In:	08/16/2021	13:48:23	BETH
Out:	08/16/2021	13:48:23	BETH

Manifest: 2512293
Vehicle: 03-AW754A
Decal:

	Lbs.	Tns
Gross:	84,700	42.35
Tare:	29,340	14.67
Net:	55,360	27.68

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512293

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HHH2~~ GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	84700
	TARE WEIGHT: ☐Tons ☐Yards	29340
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	55360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP F (0-5), COMP G (0-5) COMP C (0-5), COMP I (5-10)~~
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mata Diaz of Langan as authorized agent of GPL Developing LLC

Title: Field

Signature: [signature]

Date and Time: 8/16/2021 1125

TRANSPORTER

Company: Manolos

Address:

Driver: JAIRO (Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW754A #20

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1:47

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580239

	Date	Time	Scale
In:	08/16/2021	13:54:16	BETH
Out:	08/16/2021	13:54:16	BETH

Manifest: 2512292
Vehicle: 03-AU205L
Decal:

	Lbs.	Tns
Gross:	83,140	41.57
Tare:	29,640	14.82
Net:	53,500	26.75

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512292

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83140
~~HHHz~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	29640
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-353-2570	NET WEIGHT: ☐Tons ☐Yards	53500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)~~
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yankie Mot-Dan of Langer as an authorized agent of GPL development LLC Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1130

TRANSPORTER

Company: MANOLOS Phone Number:

Address: Bloomfield N-5 Truck # and License Plate: AU205-C #18

Driver: XAVIER. C SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 1:53

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580281

	Date	Time	Scale
In:	08/16/2021	14:16:23	BETH
Out:	08/16/2021	14:16:23	BETH

Manifest: 2512291
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	87,180	43.59
Tare:	28,540	14.27
Net:	58,640	29.32

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth™

Manifest # 2512291

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other ~~[illegible]~~ CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~[illegible]~~ ~~[illegible]~~ GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	87180
	TARE WEIGHT: ☐Tons ☐Yards	28540
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	58640

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP F (0-5), COMP G (0-5) COMP C (0-5), COMP I (5-10), COMP B (0-5)~~
COMP G (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yusuf Mohamed Dian [illegible] Langan as authorized agent for GPL Development LLC
Title: Field.
Signature: [signature]
Date and Time: 8/16/2021 11:32

TRANSPORTER

Company: Joel Trucking
Address: Secaucus NJ
Driver: [signature]
(Type or Print Clearly)
Phone Number: 201 [illegible] 6434
Truck # and License Plate: #5 AU260R
SW Haulers Permit #: _____
(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 2:15

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580300

	Date	Time	Scale
In:	08/16/2021	14:22:34	BETH
Out:	08/16/2021	14:22:34	BETH

Manifest: 2512290
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	88,280	44.14
Tare:	28,420	14.21
Net:	59,860	29.93

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512290

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	88280
~~[illegible]~~ GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28420
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2510	NET WEIGHT: ☐Tons ☐Yards	59860

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5)~~, ~~COMP F (0-5)~~, COMP G (0-5), ~~COMP C (0-5)~~, ~~COMP I (5-10)~~
COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Moth Fiat or Langan US authorized agent of GPL Development Title: Friend

Signature: [signature] Date and Time: 8/16/2021 11 48

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: AW77[illegible]

Driver: Ore Bis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 2:21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580308

	Date	Time	Scale
In:	08/16/2021	14:25:59	BETH
Out:	08/16/2021	14:25:59	BETH

Manifest: 2512284
Vehicle: 03-AW256P
Decal:

	Lbs.	Tns
Gross:	82,780	41.39
Tare:	29,620	14.81
Net:	53,160	26.58

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512284

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	82780
~~1142 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	29620
Brooklyn NY, 11222		
GENERATOR'S PHONE: 212 - 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	53160

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5) COMP F (0-5), COMP G (0-5), COMP C (0-5)~~
~~(COMP I (5-10), COMP B (0-5~~ COMP E (0-5), COMP F (0-5), COMP C (0-5)
COMP I (5-10) COMP B (0-5) COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Regina Motte Director of Engineering duly acted agent of GPL Dev Title: Fiscal

Signature: _____ Date and Time: 8/16/2021 1200

TRANSPORTER

Company: WP #02 Phone Number: _____

Address: _____ Truck # and License Plate: AW256P #02

Driver: Gutmo Zdrmo SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/16/21 2:25

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580316

	Date	Time	Scale
In:	08/16/2021	14:31:20	BETH
Out:	08/16/2021	14:31:20	BETH

Manifest: 2512289
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	84,720	42.36
Tare:	27,980	13.99
Net:	56,740	28.37

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512289

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~11142~~ GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	84720
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	27980
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2510	NET WEIGHT: ☐Tons ☐Yards	56740

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)~~
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Dia of Langan as authorized agent of GPL Develm LL Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1206

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-AS599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 2:30

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580333

	Date	Time	Scale
In:	08/16/2021	14:39:37	BETH
Out:	08/16/2021	14:39:37	BETH

Manifest: 2512282
Vehicle: 03-AW251J
Decal:

	Lbs.	Tns
Gross:	87,960	43.98
Tare:	28,440	14.22
Net:	59,520	29.76

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512282

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 21303 DAY

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	87960
~~[illegible]~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28440
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	59520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)
COMP I (5-10), COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodnight of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 12:25

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: #11 AW251J

Driver: RAYNER SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-16-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 2:38

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580345

	Date	Time	Scale
In:	08/16/2021	14:46:12	BETH
Out:	08/16/2021	14:46:12	BETH

Manifest: 2512275
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	93,680	46.84
Tare:	28,180	14.09
Net:	65,500	32.75

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512275

GLOBAL JOB NUMBER: 100548 **PROFILE NUMBER:** 2130310 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 1801

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	93480
HHB Owner LLC GPL developer LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212 - 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	65300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)
COMP I (5-10), COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yisha Mota Diaz of Langan as authorized agent of GPL developer LLC Title: Field

Signature: Date and Time: 8/16/2021 12:30

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R

Driver: Jose Barzallo SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 8:45

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580348

	Date	Time	Scale
In:	08/16/2021	14:48:27	BETH
Out:	08/16/2021	14:48:27	BETH

Manifest: 1666344
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	78,000	39.00
Tare:	28,340	14.17
Net:	49,660	24.83

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 1666344

GLOBAL JOB NUMBER: 1005041 **FACILITY APPROVAL NUMBER:** 23 03 044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce center Blvd
Bethlehem, PA 18017

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	78000
GPL Development LLC 35 Commerce street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	28340
GENERATOR'S PHONE: 212 - 355 - 2810	NET WEIGHT: ☐Tons ☐Yards	49660

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP B - 4 COMP A

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaniv Gindi Dir of Mgmt as authorized agent of GPL Dev LLC Title: Field

Signature: [signature] Date and Time: 8/16/2021 1159

TRANSPORTER

Company: Mega Trucking Phone Number: —

Address: Secaucus Truck # and License Plate: # 3 AU714R

Driver: Christopher Prado (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 08/16/21 12:47

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580349

	Date	Time	Scale
In:	08/16/2021	14:51:00	BETH
Out:	08/16/2021	14:51:00	BETH

Manifest: 2512280
Vehicle: 03-AU148N
Decal:

	Lbs.	Tns
Gross:	75,840	37.92
Tare:	28,280	14.14
Net:	47,560	23.78

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512280

GLOBAL JOB NUMBER: 100548 **PROFILE NUMBER:** 21303 1044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Bl
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	75840
~~HH 2~~ Owner LLC GPL development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28280
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	47560

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)~~
COMP I (5-19), COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Mati Diaz of Langan as ~~Agent of GPL Development LLC~~ Title: Field

Signature: Date and Time: 8/16/2021 1124

TRANSPORTER

Company: MARCOLOS TRUCKING Phone Number:

Address: Truck # and License Plate: #19 AC14BN

Driver: JORGE SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 2:50

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580355

	Date	Time	Scale
In:	08/16/2021	14:54:01	BETH
Out:	08/16/2021	14:54:01	BETH

Manifest: 2512279
Vehicle: 03-AW629C
Decal:

	Lbs.	Tns
Gross:	80,620	40.31
Tare:	28,220	14.11
Net:	52,400	26.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512279

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other: CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	80620
~~4142 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28220
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	52400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5)
COMP I (8-10), COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Diaz of Langan as authorized agent of GPL development Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1229

TRANSPORTER

Company: JID. Phone Number:

Address: Truck # and License Plate: AW629E H12

Driver: Manuel (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 2:52

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580362

	Date	Time	Scale
In:	08/16/2021	14:58:36	BETH
Out:	08/16/2021	14:58:36	BETH

Manifest: 2512273
Vehicle: 03-AW106R
Decal:

	Lbs.	Tns
Gross:	87,640	43.82
Tare:	27,360	13.68
Net:	60,280	30.14

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512273

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center Blvd, Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	87640
~~HH2 Owner LLC~~ GPL development LLC		
33 Commerce Street	TARE WEIGHT: ☐Tons ☐Yards	73760
Brooklyn NY 11222		
GENERATOR'S PHONE: 212 355-2570	NET WEIGHT: ☐Tons ☐Yards	13880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP H (0-5), COMP I (5-10), COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kathy Moon Per DEP of Langan by GPL development LLC Title: Field

Signature: Date and Time: 8/16/2021 1243

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: AW106R #26

Driver: Dykes SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Dykes Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Dykes Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 2:57

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580389

	Date	Time	Scale
In:	08/16/2021	15:22:03	BETH
Out:	08/16/2021	15:22:03	BETH

Manifest: 2512283
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	90,160	45.08
Tare:	28,560	14.28
Net:	61,600	30.80

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512283

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☑ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	90160
~~1442 Owner LLC~~ GPL develeme LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28560
Brooklyn NY, 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	61600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5) COMP C (0-5), COMP G (0-5)
COMP I (5-10), COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Diaz of Langan as authorized agent for GPL develeme LLC Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1238

TRANSPORTER

Company: JOEL Phone Number:

Address: Truck # and License Plate: AW 614 K

Driver: SW Haulers Permit #: [illegible]

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 3:20

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580412

	Date	Time	Scale
In:	08/16/2021	15:31:12	BETH
Out:	08/16/2021	15:31:12	BETH

Manifest: 2512285
Vehicle: 03-AU302A
Decal:

	Lbs.	Tns
Gross:	87,920	43.96
Tare:	28,220	14.11
Net:	59,700	29.85

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: PDM

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512285

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~4142~~ GPL Develement LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	87920
	TARE WEIGHT: ☐Tons ☐Yards	28220
GENERATOR'S PHONE: 212 · 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	59700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5), COMP C (0-5), COMP G (0-5), COMP I (5-10) COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1312

TRANSPORTER

Company: JOEL TRUCKING Phone Number:

Address: Truck # and License Plate: AU302A

Driver: RAUL GUERRA (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 3:30

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580440

	Date	Time	Scale
In:	08/16/2021	15:47:04	BETH
Out:	08/16/2021	15:47:04	BETH

Manifest: 2512288
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	86,320	43.16
Tare:	30,040	15.02
Net:	56,280	28.14

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512288

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21503104

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	86320
~~PHH2~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	30040
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	56280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vice-Mgr Dir of Engineering authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/16/2021 1339

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: 39 Parde Ave Truck # and License Plate: 40 AU606U

Driver: L Espinoza SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/16/21 3:46

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580447

	Date	Time	Scale
In:	08/16/2021	15:52:50	BETH
Out:	08/16/2021	15:52:50	BETH

Manifest: 2512304
Vehicle: 03-AW252J
Decal:

	Lbs.	Tns
Gross:	91,460	45.73
Tare:	28,320	14.16
Net:	63,140	31.57

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512304

GLOBAL JOB NUMBER: 100 5048 **PROFILE NUMBER:** 218031 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	91460
GPL Development LLC		
35 commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28320
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-2520	NET WEIGHT: ☐Tons ☐Yards	63140

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C, 0-5), (COMP I (5-10)
(COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaghen Nuta Piras Authorized agent of GPL Dacha LLC Title: Fiend.

Signature: Date and Time: 8/16/2021 1329

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: #14 AW252J

Driver: MELCHOR MONDEZ SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/16/21 3:51

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580451

	Date	Time	Scale
In:	08/16/2021	15:55:21	BETH
Out:	08/16/2021	15:55:21	BETH

Manifest: 2512286
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	90,240	45.12
Tare:	26,180	13.09
Net:	64,060	32.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512286

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce ~~Center~~ Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HHZ~~ GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	90240
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	26180
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	64060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)
COMP B (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshio Nota Dias of Langan as authorized agent of GPL Development LLC Title: Field.

Signature: [signature] Date and Time: 8/16/2021 1339

TRANSPORTER

Company: MESA TRUCK Phone Number:

Address: Truck # and License Plate: ASY206

Driver: MAIKEL (Type or Print Clearly) SW Haulers Permit #: #01 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 3:54

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580454

	Date	Time	Scale
In:	08/16/2021	15:58:16	BETH
Out:	08/16/2021	15:58:16	BETH

Manifest: 2512303
Vehicle: 03-AW644W
Decal:

	Lbs.	Tns
Gross:	86,000	43.00
Tare:	29,360	14.68
Net:	56,640	28.32

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth™

Manifest # 2512303

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** ~~251~~ 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	86000
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	29360
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	56640

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5) COMP C (0-5), COMP I (5-10)
COMP B (0-5), COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Mota Diaz of Langan as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/16/2021 1345

TRANSPORTER

Company: JC Phone Number:

Address: Truck # and License Plate: 49 AW644W

Driver: Orlando Zumbo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/16/21 3:57

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2578993

	Date	Time	Scale
In:	08/17/2021	07:12:22	Manual
Out:	08/17/2021	07:12:22	Manual

Manifest: 2512287
Vehicle: 03-AW249J
Decal:

	Lbs.	Tns
Gross:	93,320	46.66
Tare:	28,140	14.07
Net:	65,180	32.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512287

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 10 44

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HTHZ~~ GPL Developers LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	93320
	TARE WEIGHT: ☐Tons ☐Yards	28140
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	65180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (0-10)
COMP B (0-5) COMP A (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashura Mota Dias of Langan as authorized agent of GPL [illegible] Title: Field

Signature: [signature] Date and Time: 8/16/2021 1340

TRANSPORTER

Company: JID Phone Number:

Address: Truck # and License Plate: AW 249J #1

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X [signature] Date and Time: X [signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 710

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580741

	Date	Time	Scale
In:	08/17/2021	08:51:37	Manual
Out:	08/17/2021	08:51:37	Manual

Manifest: 2288706
Vehicle: 03-AX229E
Decal:

	Lbs.	Tns
Gross:	81,880	40.94
Tare:	29,600	14.80
Net:	52,280	26.14

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288706

GLOBAL JOB NUMBER: 100 5048 **FACILITY APPROVAL NUMBER:** 21303104

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center Blvd, Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	81880
GPL Development LLC 35 commercial street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	29600
GENERATOR'S PHONE: 212-335-2570	NET WEIGHT: ☐Tons ☐Yards	52280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP B (0-5)
COMP A (0-5), COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashre Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/17/2021 0701

TRANSPORTER

Company: 3C TRANS Phone Number:

Address: Truck # and License Plate: # 57 AX229E

Driver: Antonio SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21 8:51

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580764

	Date	Time	Scale
In:	08/17/2021	08:59:49	Manual
Out:	08/17/2021	08:59:49	Manual

Manifest: 2288705
Vehicle: 03-AW727N
Decal:

	Lbs.	Tns
Gross:	81,560	40.78
Tare:	30,040	15.02
Net:	51,520	25.76

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288705

GLOBAL JOB NUMBER: 100 50 48 **FACILITY APPROVAL NUMBER:** 2130310 44

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	81520
	TARE WEIGHT: ☐Tons ☐Yards	30040
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP B (0-5)
COMP A (0-5) COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Diaz of Langan as Authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0659

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #46 AW727N

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 8:59

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580793

	Date	Time	Scale
In:	08/17/2021	09:14:57	Manual
Out:	08/17/2021	09:14:57	Manual

Manifest: 2288707
Vehicle: 03-AP158Y
Decal:

	Lbs.	Tns
Gross:	80,020	40.01
Tare:	28,280	14.14
Net:	51,740	25.87

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288707

GLOBAL JOB NUMBER: 100848 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center Blvd, Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 commercial steet Brooklyn NY 11223	TARE WEIGHT: ☐Tons ☐Yards	30020 23280
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51740

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP B (0-5), COMP A (0-5) COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Diaz of Langan as authorized agent of GPL develepent LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0700

TRANSPORTER

Company: Andrade Transportation Phone Number:

Address: Newark NJ Truck # and License Plate: #1 AP1589

Driver: Mario Beino SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-17-21 07:08 am.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 9:13

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580858

	Date	Time	Scale
In:	08/17/2021	09:41:03	Manual
Out:	08/17/2021	09:41:03	Manual

Manifest: 2512256
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	80,680	40.34
Tare:	29,360	14.68
Net:	51,320	25.66

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512256

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	80680
	TARE WEIGHT: ☐Tons ☐Yards	29360
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51320

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5) COMP E (0-5) COMP D (0-5) COMP C (0-5) Both
COMP B (0-5) COMP A (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshira Mota Diaz of Langan as authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 0724

TRANSPORTER

Company: JC transport

Address: NJ

Driver: [signature]

(Type or Print Clearly)

Phone Number:

Truck # and License Plate: AX 226E

SW Haulers Permit #:

(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 940

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580868

	Date	Time	Scale
In:	08/17/2021	09:47:43	Manual
Out:	08/17/2021	09:47:43	Manual

Manifest: 2288703
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	88,440	44.22
Tare:	28,340	14.17
Net:	60,100	30.05

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288703

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	88440
	TARE WEIGHT: ☐Tons ☐Yards	28340
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	60100

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F, (0,5, COMP G (0-5), COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP I (5-10

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vashira Mota Diaz of Langan as authorized agent of GPL Development LLC

Title: Fed

Signature: [signature]

Date and Time: 8/17/2021 07:13

TRANSPORTER

Company: Mega Trucking

Address:

Driver: Christopher Prado (Type or Print Clearly)

Phone Number: —

Truck # and License Plate: #3 AU714R

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 9:46

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580873

	Date	Time	Scale
In:	08/17/2021	09:50:06	Manual
Out:	08/17/2021	09:50:06	Manual

Manifest: 2288704
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	90,840	45.42
Tare:	28,420	14.21
Net:	62,420	31.21

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288704

GLOBAL JOB NUMBER: 100548 **FACILITY APPROVAL NUMBER:** 2130310944

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	90540
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28420
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	62420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP A (0-5) + COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashra Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0711

TRANSPORTER

Company: Soel Phone Number:

Address: Truck # and License Plate: AW770P NJ

Driver: Orbis SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 9:49

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580877

	Date	Time	Scale
In:	08/17/2021	09:52:31	Manual
Out:	08/17/2021	09:52:31	Manual

Manifest: 2288702
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	88,700	44.35
Tare:	28,180	14.09
Net:	60,520	30.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288702

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 commercial street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	88700
	TARE WEIGHT: ☐Tons ☐Yards	28180
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	60520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5), COMP E (0-5), COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP A (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vashiya Mota Diaz of Langar as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0735

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #5

Driver: José Barzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 9:51

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580884

	Date	Time	Scale
In:	08/17/2021	09:56:26	Manual
Out:	08/17/2021	09:56:26	Manual

Manifest: 2512255
Vehicle: 03-AR874C
Decal:

	Lbs.	Tns
Gross:	83,260	41.63
Tare:	28,440	14.22
Net:	54,820	27.41

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512255

GLOBAL JOB NUMBER: 100 5048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY, 11222	GROSS WEIGHT: ☐Tons ☐Yards	83260
	TARE WEIGHT: ☐Tons ☐Yards	28440
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	54820

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5) COMP E (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP A (0-5) COMP I (5-10) COMP JS (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashiva Moh Pirz of Langan as authorized agent of GPL Development LLC

Title: Fied

Signature: [signature]

Date and Time: 8/17/2021 07 23

TRANSPORTER

Company: CF Brothers.

Address: Bound Brook NJ.

Driver: Cristian Guaimar (Type or Print Clearly)

Phone Number:

Truck # and License Plate: #9 AR874C

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21

FSC

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580938

	Date	Time	Scale
In:	08/17/2021	10:15:26	Manual
Out:	08/17/2021	10:15:26	Manual

Manifest: 2512272
Vehicle: 03-AU452S
Decal:

	Lbs.	Tns
Gross:	85,240	42.62
Tare:	28,340	14.17
Net:	56,900	28.45

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512272

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	85240
	TARE WEIGHT: ☐Tons ☐Yards	28340
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	56900

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5) COMP E (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP A (0-5) COMP Z (0.5-10) COMP [illegible] (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Diaz of Langan as authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/21 0734

TRANSPORTER

Company: MCB Trucking

Address:

Driver: John McCarthy (Type or Print Clearly)

Phone Number:

Truck # and License Plate: #11, AV-4525

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 10:15

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580942

	Date	Time	Scale
In:	08/17/2021	10:17:20	Manual
Out:	08/17/2021	10:17:20	Manual

Manifest: 2512302
Vehicle: 03-AT995T
Decal:

	Lbs.	Tns
Gross:	86,700	43.35
Tare:	28,780	14.39
Net:	57,920	28.96

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2512302

GLOBAL JOB NUMBER: 100 5048 **PROFILE NUMBER:** 21303 1044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other GE Bethlehem
Commerce center Blvd
Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		56700
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	23700
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	57920

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (0-5)
COMP B (0-5), COMP A (0-5) COMP E (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasmon Mouta Pres. as Authorized Agent of GPD Development LLC Title: Field.

Signature: Date and Time: 8/17/2021 0750

TRANSPORTER

Company: C.F. Bros Phone Number:

Address: Truck # and License Plate: AT995T

Driver: Reece Hefel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21 10:17

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580948

	Date	Time	Scale
In:	08/17/2021	10:21:07	BETH
Out:	08/17/2021	10:21:07	BETH

Manifest: 2288708
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	90,700	45.35
Tare:	27,980	13.99
Net:	62,720	31.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288708

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	90700
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	27980
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	62720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5) COMP G (0-5) COMP E (0-5) COMP B (0-5)
COMP A (0-5) COMP S (0-2) COMP I (0-5-10

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 7:40

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7 - A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 10:20

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580951

	Date	Time	Scale
In:	08/17/2021	10:22:52	Manual
Out:	08/17/2021	10:22:52	Manual

Manifest: 2512301
Vehicle: 03-AX917D
Decal:

	Lbs.	Tns
Gross:	83,940	41.97
Tare:	27,700	13.85
Net:	56,240	28.12

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512301

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83940
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	27700
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	56240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)
COMP B (0-5) COMP A (0-5) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Mah Diaz as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0751

TRANSPORTER

Company: RiPO's TRUCKING, LLC Phone Number: (551) 482-9954

Address: N. Bergen, NJ Truck # and License Plate: (04) - AX917D

Driver: TOMAS ALCANTARA (Type or Print Clearly) SW Haulers Permit #: 1199 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/2021 - 07:55

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/2021 - 07:55

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 10:22

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2580997

	Date	Time	Scale
In:	08/17/2021	10:41:30	Manual
Out:	08/17/2021	10:41:30	Manual

Manifest: 2512299
Vehicle: 03-AS171C
Decal:

	Lbs.	Tns
Gross:	83,700	41.85
Tare:	25,520	12.76
Net:	58,180	29.09

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2512299

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center, Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83700
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	25520
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	58180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) COMP I (5-10) COMP B (0-5'

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Engineer of GPL Development LLC Title: Field.

Signature: Date and Time: 07 58

TRANSPORTER

Company: MB Phone Number: AS171C

Address: Bayville, NJ Truck # and License Plate: 07 - A171C

Driver: Lonsoca SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21 10:41

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581040

	Date	Time	Scale
In:	08/17/2021	10:59:52	BETH
Out:	08/17/2021	10:59:52	BETH

Manifest: 2512271
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	92,520	46.26
Tare:	28,540	14.27
Net:	63,980	31.99

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512271

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	92580
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28540
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2520	NET WEIGHT: ☐Tons ☐Yards	64040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP I (5-10) ~~COMP I~~ COMP B (0-5) COMP A (0-5) COMP J (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vashon Mehta Pizzo of Excelsior Env authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 2:24

TRANSPORTER

Company: Joel Trucking Phone Number: 201 655 6434

Address: Secaucus NJ. Truck # and License Plate: #5 AU260R

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 10:59

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581045

	Date	Time	Scale
In:	08/17/2021	11:01:39	BETH
Out:	08/17/2021	11:01:39	BETH

Manifest: 2512297
Vehicle: 03-AU302A
Decal:

	Lbs.	Tns
Gross:	89,560	44.78
Tare:	28,220	14.11
Net:	61,340	30.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512297

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	89560
	TARE WEIGHT: ☐Tons ☐Yards	28220
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	61340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10), COMP B (0-5), COMP A (0-5), COMP S (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshie Mitchell of Langan as authorized agent of GPL Development LLC

Title: Field.

Signature: [signature]

Date and Time: 8/17/2021 0822

TRANSPORTER

Company: JOEL TRUCKING

Phone Number:

Address:

Truck # and License Plate: AU302A

Driver: RAUL GUERRA (Type or Print Clearly)

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 11:01

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581068

	Date	Time	Scale
In:	08/17/2021	11:12:43	BETH
Out:	08/17/2021	11:12:43	BETH

Manifest: 2512268
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	88,240	44.12
Tare:	28,560	14.28
Net:	59,680	29.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512268

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18050

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	88240
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28560
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	59680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5), COMP A (0-5) COMP I (5-10) COMP JS (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiro Moda Dir of Langan US authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0844

TRANSPORTER

Company: JOEL Phone Number:

Address: Truck # and License Plate: AW 614 K

Driver: SW Haulers Permit #: #6

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 11:11

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581089

	Date	Time	Scale
In:	08/17/2021	11:21:24	BETH
Out:	08/17/2021	11:21:24	BETH

Manifest: 2512269
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	86,180	43.09
Tare:	26,180	13.09
Net:	60,000	30.00

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: I16

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512269

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	86180
85 ~~Brooklyn~~ Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	26180
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	60000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5) COMP C (0-5) COMP B (0-5), COMP A (0-5) COMP I (5-10) COMP Js (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashim Mota Dior Langan LLC authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 0903

TRANSPORTER

Company: MESA TRUCK Phone Number:

Address: Truck # and License Plate: ASY20W

Driver: MAIKEL SW Haulers Permit #: #01

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 11:19

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581331

	Date	Time	Scale
In:	08/17/2021	13:07:56	Manual
Out:	08/17/2021	13:07:56	Manual

Manifest: 2512270
Vehicle: 03-AX229E
Decal:

	Lbs.	Tns
Gross:	80,860	40.43
Tare:	29,600	14.80
Net:	51,260	25.63

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2512270

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303104 4

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
CPL Development LLC		80960
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	29600
Berkley NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5
COMP A (0-5) COMP I (5-10) COMP J5 (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Dimitrios Stamatiadis authorized agent of CPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 1100

TRANSPORTER

Company: JC TRANSP Phone Number:

Address: Truck # and License Plate: #57 AX229E

Driver: Antonis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 1108

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581374

	Date	Time	Scale
In:	08/17/2021	13:25:43	Manual
Out:	08/17/2021	13:25:43	Manual

Manifest: 2512298
Vehicle: 03-AW727N
Decal:

	Lbs.	Tns
Gross:	81,380	40.69
Tare:	30,040	15.02
Net:	51,340	25.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2512298

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 1044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce center Blvd
Bethlehem PA 1900

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	81380
GPL Development LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	30040
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)
COMP B (0-5), COMP A (0-5), COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yushan Made Diaz of Langan as authorized agent of GPL Development LLC Title: Field.

Signature: [signature] Date and Time: 8/17/2021 1108

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #46 - AW727N

Driver: Robinson SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that ~~the above named material has~~ been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 125

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581439

	Date	Time	Scale
In:	08/17/2021	13:52:25	Manual
Out:	08/17/2021	13:52:25	Manual

Manifest: 2512265
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	91,660	45.83
Tare:	28,420	14.21
Net:	63,240	31.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512265

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	91660
	TARE WEIGHT: ☐Tons ☐Yards	28420
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	63240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5), COMP C (0-5), COMP B (0-5), COMP A (0-5)
COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mota Diaz of Langan as authorized ~~agent~~ of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 1149

TRANSPORTER

Company: Joel

Address:

Driver: Orelbis (Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW770P #8

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 152

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581455

	Date	Time	Scale
In:	08/17/2021	13:58:12	BETH
Out:	08/17/2021	13:58:12	BETH

Manifest: 2512300
Vehicle: 03-AP158Y
Decal:

	Lbs.	Tns
Gross:	82,160	41.08
Tare:	28,280	14.14
Net:	53,880	26.94

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512300

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82160
	TARE WEIGHT: ☐Tons ☐Yards	28280
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	53880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP I (5-10)
COMP B (0-5, COMP A, COMP Js (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashra Mate Diaz of Lambert as Authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: ~~07 55~~ 8/17/2021 1148

TRANSPORTER

Company: Andrade Transport

Address: Newark NJ

Driver: Mario Bernal (Type or Print Clearly)

Phone Number:

Truck # and License Plate: #1 AP158Y

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 08-17-21 11:40 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 1:57

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581460

	Date	Time	Scale
In:	08/17/2021	14:02:14	BETH
Out:	08/17/2021	14:02:14	BETH

Manifest: 2512266
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	84,340	42.17
Tare:	29,360	14.68
Net:	54,980	27.49

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512266

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☑ Other CE Bethlehem commerce center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	84340
35 commercial steet	TARE WEIGHT: ☐Tons ☐Yards	29360
Brooklyn NY 11222		
GENERATOR'S PHONE: 212 - 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	54980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP I (5-10), COMP J (0-2).

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashira Mota Dias of Langan ~~as per~~ as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/17/2021 1149

TRANSPORTER

Company: JC transport Phone Number:

Address: NJ Truck # and License Plate: AX 226E

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 2:02

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581466

	Date	Time	Scale
In:	08/17/2021	14:04:53	Manual
Out:	08/17/2021	14:04:53	Manual

Manifest: 2512264
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	89,520	44.76
Tare:	28,180	14.09
Net:	61,340	30.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512264

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	89520
	TARE WEIGHT: ☐Tons ☐Yards	28180
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	61340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP B (0-5)
COMP A (0-5), COMP I (5-10) COMP Js (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mota Diaz of Langan as authorized agent of GPL Development LLC

Title: Field.

Signature: [signature]

Date and Time: 8/17/2021 1155

TRANSPORTER

Company: Mesa Trucking

Address:

Driver: José Barzallo (Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW285R #0

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8.17.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8.17.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 2:04

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581493

	Date	Time	Scale
In:	08/17/2021	14:15:01	Manual
Out:	08/17/2021	14:15:01	Manual

Manifest: 2288692
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	92,660	46.33
Tare:	28,340	14.17
Net:	64,320	32.16

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2288692

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:
GPL Development LLC
35 Commercial Street
Brooklyn NY 11222
GENERATOR'S PHONE: 212-355-2570

GROSS WEIGHT: ☐Tons ☐Yards: 92660
TARE WEIGHT: ☐Tons ☐Yards: 28340
NET WEIGHT: ☐Tons ☐Yards: 64320

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
COMP E (0-5), COMP F (0-5), COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP I (5-10), COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshimoto Dan or Lange as agent of GPL Development LLC Title: Fldlde
Signature: Date and Time: 8/17/2021 11:56

TRANSPORTER

Company: Mesa Trucking Phone Number:
Address: Truck # and License Plate: #3 AV714R
Driver: Christopher Prado SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21

FACILITY 8/17/21 2H

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581505

	Date	Time	Scale
In:	08/17/2021	14:19:29	BETH
Out:	08/17/2021	14:19:29	BETH

Manifest: 2512257
Vehicle: 03-AR874C
Decal:

	Lbs.	Tns
Gross:	86,320	43.16
Tare:	28,440	14.22
Net:	57,880	28.94

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512257

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	86320
	TARE WEIGHT: ☐Tons ☐Yards	28440
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	57880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP B (0-5)
COMP A (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshira Mata Dias of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 1200 / 8/17/2021

TRANSPORTER

Company: CF Brothers Phone Number:

Address: Truck # and License Plate: #9 AR874C

Driver: Cristian Guamani SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 2:19

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581526

	Date	Time	Scale
In:	08/17/2021	14:26:53	Manual
Out:	08/17/2021	14:26:53	Manual

Manifest: 2512258
Vehicle: 03-AW395K
Decal:

	Lbs.	Tns
Gross:	82,520	41.26
Tare:	29,100	14.55
Net:	53,420	26.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512258

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82520
	TARE WEIGHT: ☐Tons ☐Yards	29100
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	53420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP I (5-10) COMP Js (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kohna Mark or Langan as authorized agent of GPL Development LLC

Title: Field

Signature:

Date and Time: 8/17/2021 1204

TRANSPORTER

Company: Manolos Trucking llc

Address: 58 Moore Pl Belleville

Driver: Marcon (Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW39SK 22

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature:

Date and Time: 8-17-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature:

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time: 8/17/21 224

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581555

	Date	Time	Scale
In:	08/17/2021	14:37:24	Manual
Out:	08/17/2021	14:37:24	Manual

Manifest: 2512259
Vehicle: 03-AT995T
Decal:

	Lbs.	Tns
Gross:	88,040	44.02
Tare:	28,780	14.39
Net:	59,260	29.63

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2512259

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	88040
	TARE WEIGHT: ☐Tons ☐Yards	28780
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	59260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mary Diaz ~~as authorized~~ as authorized agent of GPL Development

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 1219

TRANSPORTER

Company: C.F. Bros

Phone Number:

Address:

Truck # and License Plate: AT995T

Driver: [signature] (Type or Print Clearly)

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 236

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581594

	Date	Time	Scale
In:	08/17/2021	14:51:46	BETH
Out:	08/17/2021	14:51:46	BETH

Manifest: 2288694
Vehicle: 03-AT380H
Decal:

	Lbs.	Tns
Gross:	86,420	43.21
Tare:	28,820	14.41
Net:	57,600	28.80

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288694

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developer LLC 35 Commercial Street Boonton NJ 11222 GENERATOR'S PHONE: 212-355-2570	GROSS WEIGHT: ☐Tons ☐Yards	58420
	TARE WEIGHT: ☐Tons ☐Yards	28820
	NET WEIGHT: ☐Tons ☐Yards	57600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP F (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP D (0-5) COMP A (0-5) COMP I (5-14)
COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar Mola P.E. for Langan as author Agent of GPL Developer LLC Title: Field

Signature: Date and Time: 8/17/2021 1229

TRANSPORTER

Company: Manolos Trucking Phone Number:

Address: Belleville NJ Truck # and License Plate: 14 AT380H

Driver: BYRON SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: BZC Date and Time: 8/17/21 12:45PM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: BZC Date and Time: 8/17/21 12:45PM

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21 1:50

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581606

	Date	Time	Scale
In:	08/17/2021	14:55:58	BETH
Out:	08/17/2021	14:55:58	BETH

Manifest: 2512263
Vehicle: 03-AU205L
Decal:

	Lbs.	Tns
Gross:	82,940	41.47
Tare:	29,640	14.82
Net:	53,300	26.65

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2512263

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 21303 10 94

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, commerce center Blvd, Bethlehem PA 18017

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developer LLC 35 Commercial street Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-2570	GROSS WEIGHT: ☐Tons ☐Yards	82940
	TARE WEIGHT: ☐Tons ☐Yards	29640
	NET WEIGHT: ☐Tons ☐Yards	53300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5), COMP G (0-5) COMP C (0-5) COMP D (0-5)
COMP A (0-5) · COMP I (5-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasha Mota Plaz of Langan as authorized agent of GPL Developer Title: Field

Signature: [signature] Date and Time: 8/17/2021 1222

TRANSPORTER

Company: MANOLOS Phone Number:

Address: Bloomfield N.J Truck # and License Plate: AU205-L

Driver: XAVIER. C. SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8-17-21 2:53

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581641

	Date	Time	Scale
In:	08/17/2021	15:13:26	BETH
Out:	08/17/2021	15:13:26	BETH

Manifest: 2288693
Vehicle: 03-AW636F
Decal:

	Lbs.	Tns
Gross:	81,140	40.57
Tare:	28,780	14.39
Net:	52,360	26.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288693

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☑ Other CE Bethlehem commerce center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	81140
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28780
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	52360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP B (0-5)
COMP A (0-5), COMP I (5-10), COMP Js (0-2), COMP D (0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 1238

TRANSPORTER

Company: M. C. B. Phone Number:

Address: Verville. Truck # and License Plate: AW636F

Driver: Jorge Sears SW Haulers Permit #: #12

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 3:52

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581648

	Date	Time	Scale
In:	08/17/2021	15:18:30	BETH
Out:	08/17/2021	15:18:30	BETH

Manifest: 2288695
Vehicle: 03-AW754A
Decal:

	Lbs.	Tns
Gross:	82,420	41.21
Tare:	29,340	14.67
Net:	53,080	26.54

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288695

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC 35 Commercial Street Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82420
	TARE WEIGHT: ☐Tons ☐Yards	29340
GENERATOR'S PHONE: 212-355 2570	NET WEIGHT: ☐Tons ☐Yards	53080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Pasquale Mota of Bird as authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 1246

TRANSPORTER

Company: Manolos

Phone Number:

Address:

Truck # and License Plate: AW754A #20

Driver: SAIRO (Type or Print Clearly)

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 3:17

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581683

	Date	Time	Scale
In:	08/17/2021	15:36:27	BETH
Out:	08/17/2021	15:36:27	BETH

Manifest: 25122678
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	80,860	40.43
Tare:	29,500	14.75
Net:	51,360	25.68

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE AP[PROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512267

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213 03 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	80860
	TARE WEIGHT: ☐Tons ☐Yards	29500
GENERATOR'S PHONE: 212 - 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	51360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5), COMP B (0-5)
COMP A (0-5), COMP I (0.5-10) COMP J (0-2) COMP D (0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mate Dir of Langan as authorized agent of GPL Development

Title: Field

Signature: [signature]

Date and Time: 8 17 2021 12 48

TRANSPORTER

Company: JC Transport

Address:

Driver: Cesar Soto (Type or Print Clearly)

Phone Number:

Truck # and License Plate: #48 AW643W

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8-17-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 3:36

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Revised 1/29/21

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581684

	Date	Time	Scale
In:	08/17/2021	15:38:18	BETH
Out:	08/17/2021	15:38:18	BETH

Manifest: 2512261
Vehicle: 03-AX917D
Decal:

	Lbs.	Tns
Gross:	83,640	41.82
Tare:	27,700	13.85
Net:	55,940	27.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512261

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC 35 Commercial Street Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	83640
	TARE WEIGHT: ☐Tons ☐Yards	27700
GENERATOR'S PHONE: 212-355 2570	NET WEIGHT: ☐Tons ☐Yards	55940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP C (5-10), COMP J (0-2) COMP D (0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashin Mark Diaz as ~~authorized~~ of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 12:52

TRANSPORTER

Company: PIPO'S TRUCKING, LLC Phone Number: (551)

Address: N. Bergen, NJ Truck # and License Plate: 04-AX917-D

Driver: TOMAS ALCANTARA (Type or Print Clearly) SW Haulers Permit #: 1199 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/2021 - 12:56 Pm.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/2021 12:56 Pm.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 3:32

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581685

	Date	Time	Scale
In:	08/17/2021	15:39:55	BETH
Out:	08/17/2021	15:39:55	BETH

Manifest: 2512260
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	82,840	41.42
Tare:	29,360	14.68
Net:	53,480	26.74

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVl

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512260

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce Center Bld Bethlehem PA, 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developer LLC, 35 Commerce Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82840
	TARE WEIGHT: ☐Tons ☐Yards	29360
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	53480

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP I (5-10) Comp JS (0-2), COMP D (0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashua Mole Disc of Langa as authorized ~~member~~ agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 1238

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tomas Cardumbo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 3:39

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581687

	Date	Time	Scale
In:	08/17/2021	15:42:43	BETH
Out:	08/17/2021	15:42:43	BETH

Manifest: 2288699
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	90,700	45.35
Tare:	27,980	13.99
Net:	62,720	31.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288699

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Other CE Bethlehem commercial center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developmed LLC 35 Commercial Street Bushing NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	90700
	TARE WEIGHT: ☐Tons ☐Yards	27980
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	62720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yash [illegible] Dr of [illegible] GPL Dev[illegible] Title: Fed

Signature: [signature] Date and Time: 1300

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581695

	Date	Time	Scale
In:	08/17/2021	15:46:34	BETH
Out:	08/17/2021	15:46:34	BETH

Manifest: 2512262
Vehicle: 03-AT184B
Decal:

	Lbs.	Tns
Gross:	80,520	40.26
Tare:	29,180	14.59
Net:	51,340	25.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2512262

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☑ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	80520
	TARE WEIGHT: ☐Tons ☐Yards	29180
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP I (5-10) COMP JS (0-2) COMP D (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mata Dean of Manager as authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 1256

TRANSPORTER

Company: MANOLO'S

Address:

Driver: MILTON O (Type or Print Clearly)

Phone Number:

Truck # and License Plate: #12 - AT184B.

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8-17-21.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/17/21 3:44

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581699

	Date	Time	Scale
In:	08/17/2021	15:51:23	BETH
Out:	08/17/2021	15:51:23	BETH

Manifest: 2288698
Vehicle: 03-AW725N
Decal:

	Lbs.	Tns
Gross:	84,680	42.34
Tare:	29,680	14.84
Net:	55,000	27.50

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288698

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** 21303 1094

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, commerce center Blvd, Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developer LLC 35 commercial steet Bayonne NJ 11222 GENERATOR'S PHONE: 212-355-2520	GROSS WEIGHT: ☐Tons ☐Yards	84680
	TARE WEIGHT: ☐Tons ☐Yards	29680
	NET WEIGHT: ☐Tons ☐Yards	55000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5), COMP D (0-5) COMP I (5-10) COMP J (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Ryan Conroy Agent of GPL Developer on Author Title: Field

Signature: Date and Time: 1304

TRANSPORTER

Company: J.C Transport Phone Number:

Address: Truck # and License Plate: AW725N #44

Driver: Pablo Manchero SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/17/21 3:50

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581703

	Date	Time	Scale
In:	08/17/2021	15:57:17	BETH
Out:	08/17/2021	15:57:17	BETH

Manifest: 2288700
Vehicle: 03-AS341S
Decal:

	Lbs.	Tns
Gross:	83,540	41.77
Tare:	28,980	14.49
Net:	54,560	27.28

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288700

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commercial Center Drive Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	86860
	TARE WEIGHT: ☐Tons ☐Yards	29500
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (0-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Moth Dr [illegible] as authorized agent of GPL Dev LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 1320

TRANSPORTER

Company: Andrades Phone Number:

Address: Truck # and License Plate: 7 AS341S

Driver: Henry A (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 3:57

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581708

	Date	Time	Scale
In:	08/17/2021	16:04:29	BETH
Out:	08/17/2021	16:04:29	BETH

Manifest: 2288697
Vehicle: 03-AU302A
Decal:

	Lbs.	Tns
Gross:	82,900	41.45
Tare:	28,220	14.11
Net:	54,680	27.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288697

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21303 1044

Please Check One:

- ☐ Clean Earth of Carteret
  24 Middlesex Avenue
  Carteret, NJ 07008
  Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia
  3201 S. 61st Street
  Philadelphia, PA 19153
  Ph: 215-724-5520
- ☐ Clean Earth of Maryland
  1469 Oak Ridge Place
  Hagerstown, MD 21740
  Ph: 301-791-6220
- ☐ Clean Earth of North Jersey
  115 Jacobus Avenue
  Kearny, NJ 07032
  Ph: 973-344-4004
- ☐ Clean Earth of New Castle
  94 Pyles Lane
  New Castle, DE 19720
  Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania
  7 Steel Road East
  Morrisville, PA 19067
  Ph: 215-428-1700
- ☐ Clean Earth of Greater Washington
  6250 Dower House Road
  Upper Marlboro, MD 20772
  Ph: 301-599-0939
- ☒ Other CE Bethlehem
  Commerce Center Blvd
  Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC ~~Brooklyn NY 11222~~ 35 Commercial Street Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82900
	TARE WEIGHT: ☐Tons ☐Yards	28220
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	54680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mark [illegible] of Lawson as authorized agent of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 8/17/2021 1323

TRANSPORTER

Company: JOEL

Address:

Driver: RAUL GUERRA
(Type or Print Clearly)

Phone Number:

Truck # and License Plate: AU302A

SW Haulers Permit #:
(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 4:04

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581709

	Date	Time	Scale
In:	08/17/2021	16:06:21	BETH
Out:	08/17/2021	16:06:21	BETH

Manifest: 2288701
Vehicle: 03-AU148N
Decal:

	Lbs.	Tns
Gross:	83,520	41.76
Tare:	28,280	14.14
Net:	55,240	27.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288701

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2830304

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83520
GPL Developm LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	28280
GENERATOR'S PHONE: 212-355-257	NET WEIGHT: ☐Tons ☐Yards	55240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5), COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J: (0-2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yasmin made on behalf of Lavigne by authority of GPL Bethlehem LLC Title: ~~Foreman~~ Field

Signature: [signature] Date and Time: 1308 8/17/2021

TRANSPORTER

Company: MANOLOS TRUCKING Phone Number:

Address: Truck # and License Plate: #19 AU148W

Driver: JORGE C SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 4:05

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581716

	Date	Time	Scale
In:	08/17/2021	16:14:12	BETH
Out:	08/17/2021	16:14:12	BETH

Manifest: 2288686
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	90,880	45.44
Tare:	28,540	14.27
Net:	62,340	31.17

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288686

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2130340 44

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, Commerce Center Blvd, Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Developer LLC 35 Commercial Street Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-2570	GROSS WEIGHT: ☐Tons ☐Yards	90880
	TARE WEIGHT: ☐Tons ☐Yards	28540
	NET WEIGHT: ☐Tons ☐Yards	62340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5)
COMP B (0-5) COMP D (0-5) COMP A (0-5), COMP I (5-10)
COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vaughn Mora Dir of Logistics as agent for GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 8/17/2021 1328

TRANSPORTER

Company: Joel Trucking Phone Number: 201 695 6434

Address: Secaucus NJ Truck # and License Plate: #5 AU260R

Driver: Yoa SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 4:13

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581719

	Date	Time	Scale
In:	08/17/2021	16:16:48	BETH
Out:	08/17/2021	16:16:48	BETH

Manifest: 2288687
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	91,500	45.75
Tare:	28,560	14.28
Net:	62,940	31.47

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288687

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret
  24 Middlesex Avenue
  Carteret, NJ 07008
  Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia
  3201 S. 61st Street
  Philadelphia, PA 19153
  Ph: 215-724-5520
- ☐ Clean Earth of Maryland
  1469 Oak Ridge Place
  Hagerstown, MD 21740
  Ph: 301-791-6220
- ☐ Clean Earth of North Jersey
  115 Jacobus Avenue
  Kearny, NJ 07032
  Ph: 973-344-4004
- ☐ Clean Earth of New Castle
  94 Pyles Lane
  New Castle, DE 19720
  Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania
  7 Steel Road East
  Morrisville, PA 19067
  Ph: 215-428-1700
- ☐ Clean Earth of Greater Washington
  6250 Dower House Road
  Upper Marlboro, MD 20772
  Ph: 301-599-0939
- ☐ Other GE Bethlehem Commerce center Blvd Bethlehem PA 18010

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC 35 commercial street Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	91500
	TARE WEIGHT: ☐Tons ☐Yards	28560
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	62940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP C (0-5) COMP B (0-5) COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J (0-2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mota Dice of Landing as authorized agent of GPL Devel LLC Title: Fed

Signature: [signature] Date and Time: 8/17/2021 1332

TRANSPORTER

Company: JOEL

Address:

Driver: [signature] (Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW614K

SW Haulers Permit #: #6 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/17/21 4:15

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581731

	Date	Time	Scale
In:	08/17/2021	16:25:24	BETH
Out:	08/17/2021	16:25:24	BETH

Manifest: 2288691
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	90,540	45.27
Tare:	26,180	13.09
Net:	64,360	32.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288691

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2B0310944

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other BEE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC 33 Commercial Street Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-2570	GROSS WEIGHT: ☐Tons ☐Yards	90540
	TARE WEIGHT: ☐Tons ☐Yards	27180
	NET WEIGHT: ☐Tons ☐Yards	63360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP E (0-5) COMP F (0-5) COMP G (0-5) COMP C (0-5) COMP B (0-5)
COMP A (0-5) COMP D (0-5) COMP I (5-10) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yusha Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 13 44

TRANSPORTER

Company: MESA TRUCK Phone Number: _____

Address: _____ Truck # and License Plate: ASY20L

Driver: MAICEL SW Haulers Permit #: #01

(Type or Print Clearly) (applicable state permit#)

~~I hereby~~ certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/17/21 4:24

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2578996

	Date	Time	Scale
In:	08/19/2021	09:23:55	BETH
Out:	08/19/2021	09:23:55	BETH

Manifest: 2288671
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	69,020	34.51
Tare:	29,660	14.83
Net:	39,360	19.68

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288671

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	42020
GPL Development LLC		
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	29660
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	39360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP B(0-5), COMP A(0-5), COMP C(0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Amta Orgel or Langan as authorized agent of GPL Developmt LLC Title: Field.

Signature: _____ Date and Time: 8/19/2021 0731

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: _____ Truck # and License Plate: AW728N 47

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/19/21 9:22

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583336

	Date	Time	Scale
In:	08/19/2021	09:25:56	BETH
Out:	08/19/2021	09:25:56	BETH

Manifest: 2288667
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	75,500	37.75
Tare:	29,400	14.70
Net:	46,100	23.05

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CLEANEARTH

Manifest # 2288667

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	75500
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	29400
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	46100

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP B (0-5) COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashna Mata Pkt of Langan as Authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 07 40

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778U

Driver: Jose Cabrera (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 9:25

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583400

	Date	Time	Scale
In:	08/19/2021	09:43:27	BETH
Out:	08/19/2021	09:43:27	BETH

Manifest: 2288669
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	77,520	38.76
Tare:	28,900	14.45
Net:	48,620	24.31

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CLEANEARTH

Manifest # 2288669

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2130310 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	77520
GPL Development LLC 35 Commercial Steet Brooklyn NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	28900
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	48620

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP G (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mate Dier of Langan as authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/19/2021 0741

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: _____ Truck # and License Plate: #36 AV 316D

Driver: Adolfo Brad. SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adolfo Date and Time: 08/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adolfo Date and Time: 08/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/19/21 9:42

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583411

	Date	Time	Scale
In:	08/19/2021	09:48:54	BETH
Out:	08/19/2021	09:48:54	BETH

Manifest: 2288668
Vehicle: 03-AW636F
Decal:

	Lbs.	Tns
Gross:	77,560	38.78
Tare:	28,780	14.39
Net:	48,780	24.39

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288668

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	77560
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28780
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	48780

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (0-5) COMP H (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiro Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 07:38

TRANSPORTER

Company: M.C.B. Phone Number: #12

Address: Velville, NJ Truck # and License Plate: AW636F

Driver: Jorge Seaj (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/19/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 9:48

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583435

	Date	Time	Scale
In:	08/19/2021	09:56:48	BETH
Out:	08/19/2021	09:56:48	BETH

Manifest: 2288666
Vehicle: 03-AS687P
Decal:

	Lbs.	Tns
Gross:	70,340	35.17
Tare:	28,140	14.07
Net:	42,200	21.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288666

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Common Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	70340
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28140
Brooklyn NY, 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	42200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP B (0-5) COMP C (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiva Mata Dizia of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 0750

TRANSPORTER

Company: MCB Phone Number: #8

Address: Truck # and License Plate: AS6878

Driver: EFRAIN [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: [signature] 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 9:55

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583439

	Date	Time	Scale
In:	08/19/2021	09:59:19	BETH
Out:	08/19/2021	09:59:19	BETH

Manifest: 2288672
Vehicle: 03-AU605U
Decal:

	Lbs.	Tns
Gross:	78,560	39.28
Tare:	29,700	14.85
Net:	48,860	24.43

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288672

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 17015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	78560
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	29700
Brooklyn NY, 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	48860

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H(0-5) COMP G (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashiva Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 0753 8/19/2021

TRANSPORTER

Company: JC. # 39 Phone Number:

Address: Truck # and License Plate: AU-605U

Driver: Jose Ventura (Type or Print Clearly) SW Haulers Permit #: 39 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Ventura Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Ventura Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 9:58

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583447

	Date	Time	Scale
In:	08/19/2021	10:03:55	BETH
Out:	08/19/2021	10:03:55	BETH

Manifest: 2288674
Vehicle: 03-AW644W
Decal:

	Lbs.	Tns
Gross:	74,540	37.27
Tare:	29,360	14.68
Net:	45,180	22.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288674

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	74540
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	29360
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	45180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H (0-2) , COMP G (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashir Matalzaz or Langa as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 0800

TRANSPORTER

Company: JC TRANSPO Phone Number: JC #49

Address: N. [illegible] Truck # and License Plate: AW-644W

Driver: [illegible] SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 6-19-20

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 6-19-20

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 10:03

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583451

	Date	Time	Scale
In:	08/19/2021	10:06:24	BETH
Out:	08/19/2021	10:06:24	BETH

Manifest: 2288673
Vehicle: 03-AX457D
Decal:

	Lbs.	Tns
Gross:	71,580	35.79
Tare:	29,480	14.74
Net:	42,100	21.05

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288673

GLOBAL JOB NUMBER: 100 50 48 **FACILITY APPROVAL NUMBER:** 2130310 44

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GR Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	71580
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	29480
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	42100

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP B (0-5) COMP C (0-5)
COMP D (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 0755

TRANSPORTER

Company: So Transport Phone Number:

Address: 39-43 Forelle Ave N. Arlington Truck # and License Plate: #53 AX457D

Driver: Adrian Demesa (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 10:05

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583455

	Date	Time	Scale
In:	08/19/2021	10:08:38	BETH
Out:	08/19/2021	10:08:38	BETH

Manifest: 2288676
Vehicle: 03-AU450S
Decal:

	Lbs.	Tns
Gross:	76,000	38.00
Tare:	28,880	14.44
Net:	47,120	23.56

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288676

GLOBAL JOB NUMBER: 100548 **FACILITY APPROVAL NUMBER:** 21303144

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
Commerce Center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	76000
GPL Developer LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28880
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	47120

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H (0-5') COMP G (0-5')

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Weber as authorized agent of GPL Developer LLC Title: Field.

Signature: _____ Date and Time: 8/19/2021 0800

TRANSPORTER

Company: MCB Trucking Phone Number: _____

Address: Bethlehem PA Truck # and License Plate: 10 AU 4505

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-19-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8-19-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/19/21 10:07

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583459

	Date	Time	Scale
In:	08/19/2021	10:11:24	BETH
Out:	08/19/2021	10:11:24	BETH

	Lbs.	Tns
Gross:	77,440	38.72
Tare:	28,980	14.49
Net:	48,460	24.23

Manifest: 2288675
Vehicle: 03-AU171L
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CLEANEARTH

Manifest # 2288675

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	77440
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28980
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	48460

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A(Q-5) COMP B (Q-5) COMP C(Q-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yahira Mota Diaz ~~as authorized~~ of of Langan as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/19/2021 0757

TRANSPORTER

Company: MUB Phone Number:

Address: Belleville NJ Truck # and License Plate: 07 (A1716)

Driver: Fonseca SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-19-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 10:10

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583467

	Date	Time	Scale
In:	08/19/2021	10:13:44	BETH
Out:	08/19/2021	10:13:44	BETH

	Lbs.	Tns
Gross:	75,860	37.93
Tare:	27,980	13.99
Net:	47,880	23.94

Manifest: 2288670
Vehicle: 03-AS688P
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288670

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
Commerce center Blvd
Bethlehem PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	75860
GPL Development LLC 35 Commercial Street Brooklyn NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	27980
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	47880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A(C-5) COMP G(C-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mata Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/19/2021 @ 5:52

TRANSPORTER

Company: MCB TRUCKING Phone Number:

Address: Belleville NJ Truck # and License Plate: #9 AS688P

Driver: EDGAR SW Haulers Permit #: R04980

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: EDGAR Date and Time: 08-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: EDGAR Date and Time: 8-19-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/19/21 10:12

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2583886

	Date	Time	Scale
In:	08/19/2021	13:24:49	BETH
Out:	08/19/2021	13:24:49	BETH

Manifest: 2288677
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	78,560	39.28
Tare:	29,400	14.70
Net:	49,160	24.58

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288677

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	78560
85 commercial street	TARE WEIGHT: ☐Tons ☐Yards	29400
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-855-2570	NET WEIGHT: ☐Tons ☐Yards	49160

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP B (0-5) COMP C (0-5)
COMP J (0-2) COMP K (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Mota Diaz of Langan as part authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778U

Driver: Jose Cabrera (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08.19.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 1:23

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584034

	Date	Time	Scale
In:	08/19/2021	14:29:02	Manual
Out:	08/19/2021	14:29:02	Manual

Manifest: 2509499
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	73,620	36.81
Tare:	29,660	14.83
Net:	43,960	21.98

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509499

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	73620
~~H1H2 Owner LLC~~ GPL Developed		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29620
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	43600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mirkin Dixit as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 1129

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AW728W47

Driver: Andru Lang SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Andru Date and Time: 08/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Andru Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 1:33

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584051

	Date	Time	Scale
In:	08/19/2021	14:34:23	BETH
Out:	08/19/2021	14:34:23	BETH

Manifest: 2288684
Vehicle: 03-AW636F
Decal:

	Lbs.	Tns
Gross:	81,180	40.59
Tare:	28,780	14.39
Net:	52,400	26.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288684

GLOBAL JOB NUMBER: 1005018 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other CE Bethlehem commerce center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	81180
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28780
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	52400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A(0-5), COMP B(0-5) COMP C(0-5), COMP K(0-2) COMP J(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaskara Mata Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 1206

TRANSPORTER

Company: M.C.B. Phone Number: #12

Address: Velville, N.J. Truck # and License Plate: AW636F

Driver: _____ (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/19/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:34

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584064

	Date	Time	Scale
In:	08/19/2021	14:39:21	BETH
Out:	08/19/2021	14:39:21	BETH

Manifest: 2288685
Vehicle: 03-AW644W
Decal:

	Lbs.	Tns
Gross:	80,340	40.17
Tare:	29,360	14.68
Net:	50,980	25.49

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288685

GLOBAL JOB NUMBER: 100 5048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce center Blvd Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	80340
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	29360
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	50980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5), COMP B (0-5), COMP C (0-5)
COMP J (0-2) COMP K (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mota Dior of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 1230

TRANSPORTER

Company: JC TRANSPORT Phone Number: JC#49.

Address: N. Arlington Truck # and License Plate: AW-6440

Driver: [signature] SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-19-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:38

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584069

	Date	Time	Scale
In:	08/19/2021	14:42:05	BETH
Out:	08/19/2021	14:42:05	BETH

Manifest: 2288683
Vehicle: 03-AU605U
Decal:

	Lbs.	Tns
Gross:	84,080	42.04
Tare:	29,700	14.85
Net:	54,380	27.19

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288683

GLOBAL JOB NUMBER: 100048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	84080
35 commercial Street	TARE WEIGHT: ☐Tons ☐Yards	29700
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	54380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A, COMP B (0-5), COMP C (0-5), COMP K (0-2)
↳ (0-5) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vashia Mata Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 1215

TRANSPORTER

Company: JC. 39 Phone Number:

Address: Truck # and License Plate: AU-605 U

Driver: Jose Ventura (Type or Print Clearly) SW Haulers Permit #: 39 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Ventura Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Ventura Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:41

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584094

	Date	Time	Scale
In:	08/19/2021	14:56:08	Manual
Out:	08/19/2021	14:56:08	Manual

Manifest: 2509498
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	71,800	35.90
Tare:	28,900	14.45
Net:	42,900	21.45

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509498

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmet LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	71800
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28900
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	42900

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasara Mata Diaz Ol Larsen as authorized agent of GPL Developmet LLC Title: Field

Signature: [signature] Date and Time: ~~1141~~ 1154 8/19/2021

TRANSPORTER

Company: JC transport Phone Number:

Address: Truck # and License Plate: #36 AV 316 D

Driver: Adolfo Bermudo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adolfo Date and Time: 8/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adolfo Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:06

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584097

	Date	Time	Scale
In:	08/19/2021	14:57:25	BETH
Out:	08/19/2021	14:57:25	BETH

Manifest: 2288681
Vehicle: 03-AX457D
Decal:

	Lbs.	Tns
Gross:	83,120	41.56
Tare:	29,480	14.74
Net:	53,640	26.82

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288681

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213 031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☑ Other CE Bethlehem Commerce center Blvd Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 commercial street, Brooklyn NY, 11222	GROSS WEIGHT: ☐Tons ☐Yards	83120
	TARE WEIGHT: ☐Tons ☐Yards	29480
GENERATOR'S PHONE: 212 - 355 - 2570	NET WEIGHT: ☐Tons ☐Yards	53640

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5), COMP B (0-5), COMP C (0-5) COMP K (0-2) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashire Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 1235

TRANSPORTER

Company: SC Transport Phone Number:

Address: 39-43 Starcite Ave Truck # and License Plate: #53 AX457X

Driver: Adrian Demesa (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:56

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584117

	Date	Time	Scale
In:	08/19/2021	15:07:47	Manual
Out:	08/19/2021	15:07:47	Manual

Manifest: 2288679
Vehicle: 03-AT995T
Decal:

	Lbs.	Tns
Gross:	76,800	38.40
Tare:	28,780	14.39
Net:	48,020	24.01

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288679

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem Commerce Center Bld Bethlehem, PA 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	76800
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	28780
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	48020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A, COMP B (0-5) COMP C (0-5) COMP K (0-2)
COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yahira Mata Diaz of Langan as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/19/2021 1137

TRANSPORTER

Company: C.F. Bros Phone Number:

Address: Truck # and License Plate: AT9957

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 2:04

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584184

	Date	Time	Scale
In:	08/19/2021	15:33:59	BETH
Out:	08/19/2021	15:33:59	BETH

Manifest: 2288682
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	85,900	42.95
Tare:	28,140	14.07
Net:	57,760	28.88

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CLEANEARTH

Manifest # 2288682

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem commerce center Bld Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	85900
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28140
Brooklyn NY, 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	57760

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-5) COMP B (0-5) COMP C (0-5) COMP K (0-2) COMP J (0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashiva Mata Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/19/2021 1219

TRANSPORTER

Company: LOGIGOH Phone Number:

Address: 470 HILLSIDE, AV Truck # and License Plate: AW-690L #03

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584186

	Date	Time	Scale
In:	08/19/2021	15:36:43	BETH
Out:	08/19/2021	15:36:43	BETH

Manifest: 2288678
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	79,740	39.87
Tare:	28,520	14.26
Net:	51,220	25.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CLEANEARTH

Manifest # 2288678

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2130310 44

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
commerce center Blvd
Bethlehem PA, 18015

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	79740
GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	28520
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-2570	NET WEIGHT: ☐Tons ☐Yards	51220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (0-3) COMP B (0-5) COMP C (0-5) COMP K(0-2)
COMP SS(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Gustavo Mata Diaz agent of GPL Development LLC as authorized Title: Field

Signature: ~~Date~~ and Time: 8/19/2021 1158

TRANSPORTER

Company: LOGITECH T Phone Number:

Address: HILLSIDE NY Truck # and License Plate: AU935C NJ #19

Driver: TITO BERNARDO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8.19.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8.19.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/19/21 3:35

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584197

	Date	Time	Scale
In:	08/19/2021	15:41:47	BETH
Out:	08/19/2021	15:41:47	BETH

Manifest: 2509490
Vehicle: 03-AS688P
Decal:

	Lbs.	Tns
Gross:	80,480	40.24
Tare:	27,980	13.99
Net:	52,500	26.25

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509490

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HIH2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	80480
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27980
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	52500
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mota Diaz of Langan as agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/19/2021 1251

TRANSPORTER

Company: McB Trucking Phone Number:

Address: Belleville NJ Truck # and License Plate: #9 AS688P

Driver: Edgar SW Haulers Permit #: R04980

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] **Date and Time:** 8/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 3:40

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584205

	Date	Time	Scale
In:	08/19/2021	15:44:42	BETH
Out:	08/19/2021	15:44:42	BETH

Manifest: 2509497
Vehicle: 03-AS687P
Decal:

	Lbs.	Tns
Gross:	83,820	41.91
Tare:	28,140	14.07
Net:	55,680	27.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509497

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83820
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Moto Dior at Langan as authorized agent of GPL Dev Title: Field

Signature: [signature] Date and Time: 8/19/2021 1243

TRANSPORTER

Company: MCB Phone Number:

Address: Truck # and License Plate: #8-A5687P

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-19-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 3:43

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584208

	Date	Time	Scale
In:	08/19/2021	15:47:33	BETH
Out:	08/19/2021	15:47:33	BETH

Manifest: 2509496
Vehicle: 03-AU450S
Decal:

	Lbs.	Tns
Gross:	83,560	41.78
Tare:	28,880	14.44
Net:	54,680	27.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509496

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL development, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	83560
	TARE WEIGHT: ☒ Tons ☐ Yards	28880
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaskin Nota Dir of Langan as authorized agent of GPL Develop Title: Field

Signature: [signature] Date and Time: 8/19/2021 1249

TRANSPORTER

Company: MCB trucking Phone Number:

Address: Belleville NJ Truck # and License Plate: 10 AU450S

Driver: Mauro Rossfill SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/18/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-18-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 3:46

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584228

	Date	Time	Scale
In:	08/19/2021	16:10:51	BETH
Out:	08/19/2021	16:10:51	BETH

Manifest: 2509477
Vehicle: 03-AW548R
Decal:

	Lbs.	Tns
Gross:	85,460	42.73
Tare:	28,220	14.11
Net:	57,240	28.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth

Manifest # 2509477

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmnt	GROSS WEIGHT: ☒ Tons ☐ Yards	85460
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28220
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	57240
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on ~~Every Manifest~~

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasyl a mem Bird of Lamb on behalf of GPL Develo Title: Field

Signature: [signature] Date and Time: 8/19/2021 1315

TRANSPORTER

Company: AVN Phone Number:

Address: Truck # and License Plate: AW548R - 49

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-19-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/19/21 14:09

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581348

	Date	Time	Scale
In:	08/20/2021	07:15:49	BETH
Out:	08/20/2021	07:15:49	BETH

Manifest: 2509491
Vehicle: 03-AS171C
Decal:

	Lbs.	Tns
Gross:	80,260	40.13
Tare:	25,520	12.76
Net:	54,740	27.37

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509491

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development	GROSS WEIGHT: ☒ Tons ☐ Yards	80260
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	25520
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54740

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Moth Diaz of Langan as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 1301

TRANSPORTER

Company: MUB Phone Number:

Address: Belville NJ Truck # and License Plate: 07 (A5171C)

Driver: Fonseca SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 713

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584588

	Date	Time	Scale
In:	08/20/2021	09:16:12	Manual
Out:	08/20/2021	09:16:12	Manual

Manifest: 2509473
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	87,480	43.74
Tare:	28,420	14.21
Net:	59,060	29.53

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509473

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	87480
~~HH2 Owner LLC~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yousuf Mom [illegible] authorized Agent of GPL Dev. Title: Field

Signature: _____ Date and Time: 8/20/2021 0730

TRANSPORTER

Company: Soel Phone Number:

Address: Truck # and License Plate: AW770P #8

Driver: Orolis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8-20-21 9:14

FACILITY

Revised 1/28/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584591

	Date	Time	Scale
In:	08/20/2021	09:19:04	Manual
Out:	08/20/2021	09:19:04	Manual

Manifest: 2509471
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	85,640	42.82
Tare:	28,180	14.09
Net:	57,460	28.73

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509471

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~H1H2 Owner LLC~~ Developer LLC		57440
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28820
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57460

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Weiss Assistant Vice President of CPE Developer LLC Title: Field

Signature: [signature] Date and Time: 0720

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #5

Driver: José Barcello SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8.19.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8.19.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20 9:18

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584666

	Date	Time	Scale
In:	08/20/2021	09:55:40	Manual
Out:	08/20/2021	09:55:40	Manual

Manifest: 2509470
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	83,580	41.79
Tare:	30,040	15.02
Net:	53,540	26.77

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509470

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83580
~~HIH2 Owner LL~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53540

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yes a note from with Agent of Company JC GPL Partners LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021

TRANSPORTER

Company: JC transport Phone Number:

Address: 39 Park Ave Truck # and License Plate: #40 AU606U

Driver: I Espinoza SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 954

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584672

	Date	Time	Scale
In:	08/20/2021	09:58:19	Manual
Out:	08/20/2021	09:58:19	Manual

Manifest: 2509469
Vehicle: 03-AW463F
Decal:

	Lbs.	Tns
Gross:	84,460	42.23
Tare:	29,120	14.56
Net:	55,340	27.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509469

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~HTH2 Owner~~ LLC GPL Developer LLC		84460
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29120
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kayla Mc Daid at Laing on behalf of GPL Agent Title: Field

Signature: [signature] Date and Time: 0727

TRANSPORTER

Company: JC Phone Number:

Address: Truck # and License Plate: 43 AW463F

Driver: Orlando Zumba SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-7-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/8/21 - 11

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/8/21 9:58

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584720

	Date	Time	Scale
In:	08/20/2021	10:20:42	Manual
Out:	08/20/2021	10:20:42	Manual

Manifest: 2509468
Vehicle: 03-AW790S
Decal:

	Lbs.	Tns
Gross:	83,940	41.97
Tare:	27,860	13.93
Net:	56,080	28.04

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509468

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HH2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83940
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27860
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiaki Dee of Langa, US Authorized of GPL Developers LLC Title: 8/20/2021 Field

Signature: [signature] Date and Time: 8/20/2021 0758

TRANSPORTER

Company: pipostrucking Phone Number: #21

Address: Truck # and License Plate:

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: AW 7905 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21

I hereby certify that the ~~above named~~ material has been accepted at the above referenced facility.

Authorized Signature: [signature] ~~Date and Time:~~ 8/20/21 10:19

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584835

	Date	Time	Scale
In:	08/20/2021	11:12:09	Manual
Out:	08/20/2021	11:12:09	Manual

Manifest: 25094774
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	87,380	43.69
Tare:	27,980	13.99
Net:	59,400	29.70

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509474

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HTH2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87380
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashon Mata Diaz Authorized Agent of Langan Inc of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 0808

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 1111

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584903

	Date	Time	Scale
In:	08/20/2021	11:53:35	Manual
Out:	08/20/2021	11:53:35	Manual

Manifest: 2509449
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	88,140	44.07
Tare:	28,340	14.17
Net:	59,800	29.90

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509449

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	88140
~~HIH2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yesenia Mejia or Laura Gil Title: Field

Signature: Date and Time: 8/20/2021 0827

TRANSPORTER

Company: Mega Trucking Phone Number:

Address: Truck # and License Plate: #3 AU714R

Driver: Christopher Prado SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 08/20/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584916

	Date	Time	Scale
In:	08/20/2021	12:01:34	Manual
Out:	08/20/2021	12:01:34	Manual

Manifest: 2509448
Vehicle: 03-AU764V
Decal:

	Lbs.	Tns
Gross:	91,340	45.67
Tare:	28,980	14.49
Net:	62,360	31.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509448

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	91340
HTH2 Owner LLC ~~GPL~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	23980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	67360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yazed A. Mola Duke of Lanyon and Authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/20/2021

TRANSPORTER

Company: HYM contractors llc Phone Number: _____

Address: _____ Truck # and License Plate: AU764V

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/20/21 noon

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584945

	Date	Time	Scale
In:	08/20/2021	12:24:09	Manual
Out:	08/20/2021	12:24:09	Manual

Manifest: 2509467
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	89,240	44.62
Tare:	28,560	14.28
Net:	60,680	30.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509467

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HHH2 Owner LLC~~ GPL Development	GROSS WEIGHT: ☒ Tons ☐ Yards	89240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	23560
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	65680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jasmin Ward Diaz or Longer as authorized agent of GPL Dev. Title: Field

Signature: Date and Time: 8/20/2021 0934

TRANSPORTER

Company: JOEL Phone Number:

Address: Truck # and License Plate: AW 6414K

Driver: JULIO MARTINEZ SW Haulers Permit #: #6

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/20/21

DESTINATION

I hereby certify that the above ~~named material was~~ delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/20/21 12:23

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584953

	Date	Time	Scale
In:	08/20/2021	12:29:07	Manual
Out:	08/20/2021	12:29:07	Manual

Manifest: 2509466
Vehicle: 03-AU927B
Decal:

	Lbs.	Tns
Gross:	85,720	42.86
Tare:	27,900	13.95
Net:	57,820	28.91

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509466

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85.20
~~HH2 Owner LLC~~ GPL Developed		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27.00
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58.20

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yago Arce Director of Construction Management as agent for GPL Developed Title: Field

Signature: [signature] Date and Time: 8/20/2024 0937

TRANSPORTER

Company: MEZA TRUCK Phone Number:

Address: Truck # and License Plate: HF9295

Driver: Roberto SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/21 2404

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 12:24

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585103

	Date	Time	Scale
In:	08/20/2021	13:51:29	Manual
Out:	08/20/2021	13:51:29	Manual

Manifest: 2509464
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	88,620	44.31
Tare:	28,420	14.21
Net:	60,200	30.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509464

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	88620
	TARE WEIGHT: ☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashika Mate Dim of Langan US authorized agent of GPL Development

Title: Field

Signature: [signature]

Date and Time: 8/20/2021 1126

TRANSPORTER

Company: Joel

Address:

Driver: Orelbis

(Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW770P #8

SW Haulers Permit #:

(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/20/21 1551

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585116

	Date	Time	Scale
In:	08/20/2021	13:55:57	Manual
Out:	08/20/2021	13:55:57	Manual

Manifest: 2509463
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	88,600	44.30
Tare:	28,180	14.09
Net:	60,420	30.21

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509463

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	88600
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Dist of [illegible] GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1129

TRANSPORTER

Company: Mesa Truching Phone Number:

Address: Truck # and License Plate: AW285R #3

Driver: Jose Borzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 1:55

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585129

	Date	Time	Scale
In:	08/20/2021	14:02:06	Manual
Out:	08/20/2021	14:02:06	Manual

Manifest: 2509465
Vehicle: 03-AS688P
Decal:

	Lbs.	Tns
Gross:	85,040	42.52
Tare:	27,980	13.99
Net:	57,060	28.53

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509465

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Develop LLC	☒ Tons ☐ Yards	85240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	57260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped ~~on Every Manifest~~

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasser Mohamed Ramadan Title: Field

Signature: [signature] Date and Time: 8/20/22

TRANSPORTER

Company: MCB Trucking Phone Number:

Address: Belleville NJ Truck # and License Plate: #9 AS688P

Driver: EDGAR SW Haulers Permit #: R04980

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21 2:01

~~I hereby certify that the above named material has been accepted at the above referenced facility.~~

Authorized Signature: [signature] Date and Time: 08-20-21

FACILITY

Revised 1/25/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585154

	Date	Time	Scale
In:	08/20/2021	14:12:25	Manual
Out:	08/20/2021	14:12:25	Manual

Manifest: 25094062
Vehicle: 03-AS687P
Decal:

	Lbs.	Tns
Gross:	82,500	41.25
Tare:	28,140	14.07
Net:	54,360	27.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509462

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82500
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] as authorized agent of GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1133

TRANSPORTER

Company: Phone Number:

Address: Truck # and License Plate: #8-AS687P

Driver: Efrain Pago (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 211

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585174

	Date	Time	Scale
In:	08/20/2021	14:26:31	Manual
Out:	08/20/2021	14:26:31	Manual

Manifest: 2509461
Vehicle: 03-AW636F
Decal:

	Lbs.	Tns
Gross:	83,500	41.75
Tare:	28,780	14.39
Net:	54,720	27.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509461

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83500
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28780
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yadira Morin Diaz as Laborer authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/20/2021 1152

TRANSPORTER

Company: M.C.B. Phone Number: #12

Address: Vineland. Truck # and License Plate: AW636F

Driver: Sergio Aoaj- SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 2:25

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585262

	Date	Time	Scale
In:	08/20/2021	15:13:34	BETH
Out:	08/20/2021	15:13:34	BETH

Manifest: 2509460
Vehicle: 03-AW790S
Decal:

	Lbs.	Tns
Gross:	88,800	44.40
Tare:	27,860	13.93
Net:	60,940	30.47

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509460

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~HHH2 Owner LLC~~ GPL Developmen LLC	☒ Tons ☐ Yards	88300
35 Commercial Street	TARE WEIGHT:	78160
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	10140
	☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Rashon Neal Dial or Lenga as authorized agent of GPL Developme LLC Title: Field

Signature: _____ Date and Time: 8/20/2021 1229

TRANSPORTER

Company: Pipos Trucking Phone Number: #21

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: AW7905

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/20/21 3:12

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585273

	Date	Time	Scale
In:	08/20/2021	15:21:18	BETH
Out:	08/20/2021	15:21:18	BETH

Manifest: 2509459
Vehicle: 03-AU450S
Decal:

	Lbs.	Tns
Gross:	87,400	43.70
Tare:	28,880	14.44
Net:	58,520	29.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509459

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Developer LLC	☒ Tons ☐ Yards	
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kaylin Mora Rios of Langan as Authorized Agent for GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1239

TRANSPORTER

Company: MCB Phone Number:

Address: Belleville Truck # and License Plate: 10 AV4505

Driver: Moises Ms SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 3:27

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585325

	Date	Time	Scale
In:	08/20/2021	16:15:59	BETH
Out:	08/20/2021	16:15:59	BETH

Manifest: 2509455
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	84,740	42.37
Tare:	30,040	15.02
Net:	54,700	27.35

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509455

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~N1H2 Owner LLC~~ GPL Developed LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	84740
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	30040
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshim Mata Dia of Lam Yan as authorized agent of GPL Developed LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1337

TRANSPORTER

Company: JC transport Phone Number:

Address: 39 Porck Ave Truck # and License Plate: 40 AU 6060

Driver: L Espinosa (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 4:15

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585328

	Date	Time	Scale
In:	08/20/2021	16:18:51	BETH
Out:	08/20/2021	16:18:51	BETH

Manifest: 2509457
Vehicle: 03-AW463F
Decal:

	Lbs.	Tns
Gross:	80,340	40.17
Tare:	29,120	14.56
Net:	51,220	25.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth™

Manifest # 2509457

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	80340
35 Commercial Street	TARE WEIGHT:	29120
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Washing Auth Agent of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time:

TRANSPORTER

Company: JC Phone Number:

Address: Truck # and License Plate: 43 AW463F

Driver: Orlando Zamka (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 4:17

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585358

	Date	Time	Scale
In:	08/20/2021	17:01:05	BETH
Out:	08/20/2021	17:01:05	BETH

Manifest: 2509458
Vehicle: 03-AX917D
Decal:

	Lbs.	Tns
Gross:	83,400	41.70
Tare:	27,700	13.85
Net:	55,700	27.85

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509458

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	83400
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27700
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	55700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

(Comps A(0-5), B(0-5), C(0-5), D(0-5),) E(0-5), F(0-5), (G(0-5), H(0-5),) I(5-10), (J(0-2), K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoseph Mosha Dion of Lungs agathered right of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/20/2021

TRANSPORTER

Company: PiPo's Trucking, LLC Phone Number: (646 509-8833

Address: N. Bergen, NJ Truck # and License Plate: 04-AX917D-NJ

Driver: Temos Alcantara SW Haulers Permit #: 1199

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 08/20/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2581348

	Date	Time	Scale
In:	08/20/2021	07:15:49	BETH
Out:	08/20/2021	07:15:49	BETH

Manifest: 2509491
Vehicle: 03-AS171C
Decal:

	Lbs.	Tns
Gross:	80,260	40.13
Tare:	25,520	12.76
Net:	54,740	27.37

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509491

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development	GROSS WEIGHT: ☒ Tons ☐ Yards	80260
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	25520
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54740

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Moth Diaz of Langan as authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 1301

TRANSPORTER

Company: MUB Phone Number:

Address: Belville NJ Truck # and License Plate: 07 (A5171C)

Driver: Fonseca SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 713

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584588

	Date	Time	Scale
In:	08/20/2021	09:16:12	Manual
Out:	08/20/2021	09:16:12	Manual

Manifest: 2509473
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	87,480	43.74
Tare:	28,420	14.21
Net:	59,060	29.53

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509473

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	87480
~~HH2 Owner LLC~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yousuf Mom [illegible] authorized Agent of GPL Dev. Title: Field

Signature: _____ Date and Time: 8/20/2021 0730

TRANSPORTER

Company: Soel Phone Number:

Address: Truck # and License Plate: AW770P #8

Driver: Orolis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8-20-21 9:14

FACILITY

Revised 1/28/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584591

	Date	Time	Scale
In:	08/20/2021	09:19:04	Manual
Out:	08/20/2021	09:19:04	Manual

Manifest: 2509471
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	85,640	42.82
Tare:	28,180	14.09
Net:	57,460	28.73

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509471

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~H1H2 Owner LLC~~ Developer LLC		57440
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28820
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57460

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Weiss Assistant Vice President of CPE Developer LLC Title: Field

Signature: [signature] Date and Time: 0720

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #5

Driver: José Barcello SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8.19.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8.19.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20 9:18

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584666

	Date	Time	Scale
In:	08/20/2021	09:55:40	Manual
Out:	08/20/2021	09:55:40	Manual

Manifest: 2509470
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	83,580	41.79
Tare:	30,040	15.02
Net:	53,540	26.77

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509470

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83580
~~HIH2 Owner LL~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53540

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yes a note from with Agent of Company JC GPL Partners LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021

TRANSPORTER

Company: JC transport Phone Number:

Address: 39 Park Ave Truck # and License Plate: #40 AU606U

Driver: I Espinoza SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 954

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584672

	Date	Time	Scale
In:	08/20/2021	09:58:19	Manual
Out:	08/20/2021	09:58:19	Manual

Manifest: 2509469
Vehicle: 03-AW463F
Decal:

	Lbs.	Tns
Gross:	84,460	42.23
Tare:	29,120	14.56
Net:	55,340	27.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509469

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~HTH2 Owner~~ LLC GPL Developer LLC		84460
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29120
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Kayla Mc Daid at Laing on behalf of GPL Agent Title: Field

Signature: [signature] Date and Time: 0727

TRANSPORTER

Company: JC Phone Number:

Address: Truck # and License Plate: 43 AW463F

Driver: Orlando Zumba SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-7-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/8/21 - 11

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/8/21 9:58

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584720

	Date	Time	Scale
In:	08/20/2021	10:20:42	Manual
Out:	08/20/2021	10:20:42	Manual

Manifest: 2509468
Vehicle: 03-AW790S
Decal:

	Lbs.	Tns
Gross:	83,940	41.97
Tare:	27,860	13.93
Net:	56,080	28.04

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509468

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HH2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83940
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27860
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5),~~ F(0-5), G(0-5), H(0-5), ~~I(5-10),~~ J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiaki Dee of Langa, US Authorized of GPL Developers LLC Title: 8/20/2021 Field

Signature: [signature] Date and Time: 8/20/2021 0758

TRANSPORTER

Company: pipostrucking Phone Number: #21

Address: Truck # and License Plate:

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: AW 7905 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21

I hereby certify that the ~~above named~~ material has been accepted at the above referenced facility.

Authorized Signature: [signature] ~~Date and Time:~~ 8/20/21 10:19

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584835

	Date	Time	Scale
In:	08/20/2021	11:12:09	Manual
Out:	08/20/2021	11:12:09	Manual

Manifest: 25094774
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	87,380	43.69
Tare:	27,980	13.99
Net:	59,400	29.70

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509474

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HTH2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87380
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashon Mata Diaz Authorized Agent of Langan Inc of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 0808

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 1111

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584903

	Date	Time	Scale
In:	08/20/2021	11:53:35	Manual
Out:	08/20/2021	11:53:35	Manual

Manifest: 2509449
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	88,140	44.07
Tare:	28,340	14.17
Net:	59,800	29.90

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509449

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	88140
~~HIH2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yesenia Mejia or Laura Gil Title: Field

Signature: Date and Time: 8/20/2021 0827

TRANSPORTER

Company: Mega Trucking Phone Number:

Address: Truck # and License Plate: #3 AU714R

Driver: Christopher Prado SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 08/20/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584916

	Date	Time	Scale
In:	08/20/2021	12:01:34	Manual
Out:	08/20/2021	12:01:34	Manual

Manifest: 2509448
Vehicle: 03-AU764V
Decal:

	Lbs.	Tns
Gross:	91,340	45.67
Tare:	28,980	14.49
Net:	62,360	31.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509448

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	91340
HTH2 Owner LLC ~~GPL~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	23980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	67360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), ~~E(0-5)~~, F(0-5), G(0-5), H(0-5), ~~I(5-10)~~, J(0-2), K(0-2)

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Name: Yazed A. Mola Duke of Lanyon and Authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/20/2021

TRANSPORTER

Company: HYM contractors llc Phone Number: _____

Address: _____ Truck # and License Plate: AU764V

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/20/21 noon

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584945

	Date	Time	Scale
In:	08/20/2021	12:24:09	Manual
Out:	08/20/2021	12:24:09	Manual

Manifest: 2509467
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	89,240	44.62
Tare:	28,560	14.28
Net:	60,680	30.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509467

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HHH2 Owner LLC~~ GPL Development	GROSS WEIGHT: ☒ Tons ☐ Yards	89240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	23560
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	65680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jasmin Ward Diaz or Longer as authorized agent of GPL Dev. Title: Field

Signature: Date and Time: 8/20/2021 0934

TRANSPORTER

Company: JOEL Phone Number:

Address: Truck # and License Plate: AW 6414K

Driver: JULIO MARTINEZ SW Haulers Permit #: #6

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/20/21

DESTINATION

I hereby certify that the above ~~named material was~~ delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/20/21 12:23

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2584953

	Date	Time	Scale
In:	08/20/2021	12:29:07	Manual
Out:	08/20/2021	12:29:07	Manual

Manifest: 2509466
Vehicle: 03-AU927B
Decal:

	Lbs.	Tns
Gross:	85,720	42.86
Tare:	27,900	13.95
Net:	57,820	28.91

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509466

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85.20
~~HH2 Owner LLC~~ GPL Developed		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27.00
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58.20

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yago Arce Director of Construction Management as agent for GPL Developed Title: Field

Signature: [signature] Date and Time: 8/20/2024 0937

TRANSPORTER

Company: MEZA TRUCK Phone Number:

Address: Truck # and License Plate: HF9295

Driver: Roberto SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/21 2404

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 12:24

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585103

	Date	Time	Scale
In:	08/20/2021	13:51:29	Manual
Out:	08/20/2021	13:51:29	Manual

Manifest: 2509464
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	88,620	44.31
Tare:	28,420	14.21
Net:	60,200	30.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509464

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	88620
	TARE WEIGHT: ☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashika Mate Dim of Langan US authorized agent of GPL Development

Title: Field

Signature: [signature]

Date and Time: 8/20/2021 1126

TRANSPORTER

Company: Joel

Address:

Driver: Orelbis

(Type or Print Clearly)

Phone Number:

Truck # and License Plate: AW770P #8

SW Haulers Permit #:

(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 8/20/21 1551

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585116

	Date	Time	Scale
In:	08/20/2021	13:55:57	Manual
Out:	08/20/2021	13:55:57	Manual

Manifest: 2509463
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	88,600	44.30
Tare:	28,180	14.09
Net:	60,420	30.21

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509463

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	88600
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Dist of [illegible] GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1129

TRANSPORTER

Company: Mesa Truching Phone Number:

Address: Truck # and License Plate: AW285R #3

Driver: Jose Borzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 1:55

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585129

	Date	Time	Scale
In:	08/20/2021	14:02:06	Manual
Out:	08/20/2021	14:02:06	Manual

Manifest: 2509465
Vehicle: 03-AS688P
Decal:

	Lbs.	Tns
Gross:	85,040	42.52
Tare:	27,980	13.99
Net:	57,060	28.53

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509465

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Develop LLC	☒ Tons ☐ Yards	85240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	57260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped ~~on Every Manifest~~

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasser Mohamed Ramadan Title: Field

Signature: [signature] Date and Time: 8/20/22

TRANSPORTER

Company: MCB Trucking Phone Number:

Address: Belleville NJ Truck # and License Plate: #9 AS688P

Driver: EDGAR SW Haulers Permit #: R04980

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/21 2:01

~~I hereby certify that the above named material has been accepted at the above referenced facility.~~

Authorized Signature: [signature] Date and Time: 08-20-21

FACILITY

Revised 1/25/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585154

	Date	Time	Scale
In:	08/20/2021	14:12:25	Manual
Out:	08/20/2021	14:12:25	Manual

Manifest: 25094062
Vehicle: 03-AS687P
Decal:

	Lbs.	Tns
Gross:	82,500	41.25
Tare:	28,140	14.07
Net:	54,360	27.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509462

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82500
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] as authorized agent of GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1133

TRANSPORTER

Company: Phone Number:

Address: Truck # and License Plate: #8-AS687P

Driver: Efrain Pago (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 211

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585174

	Date	Time	Scale
In:	08/20/2021	14:26:31	Manual
Out:	08/20/2021	14:26:31	Manual

Manifest: 2509461
Vehicle: 03-AW636F
Decal:

	Lbs.	Tns
Gross:	83,500	41.75
Tare:	28,780	14.39
Net:	54,720	27.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509461

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83500
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28780
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yadira Morin Diaz as Laborer authorized agent of GPL Development Title: Field

Signature: [signature] Date and Time: 8/20/2021 1152

TRANSPORTER

Company: M.C.B. Phone Number: #12

Address: Vineland. Truck # and License Plate: AW636F

Driver: Sergio Aoaj- SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/20/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 2:25

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585262

	Date	Time	Scale
In:	08/20/2021	15:13:34	BETH
Out:	08/20/2021	15:13:34	BETH

Manifest: 2509460
Vehicle: 03-AW790S
Decal:

	Lbs.	Tns
Gross:	88,800	44.40
Tare:	27,860	13.93
Net:	60,940	30.47

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509460

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~HHH2 Owner LLC~~ GPL Developmen LLC	☒ Tons ☐ Yards	88300
35 Commercial Street	TARE WEIGHT:	78160
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	10140
	☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Rashon Neal Dial or Lenga as authorized agent of GPL Developme LLC Title: Field

Signature: _____ Date and Time: 8/20/2021 1229

TRANSPORTER

Company: Pipos Trucking Phone Number: #21

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: AW7905

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/20/21 3:12

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585273

	Date	Time	Scale
In:	08/20/2021	15:21:18	BETH
Out:	08/20/2021	15:21:18	BETH

Manifest: 2509459
Vehicle: 03-AU450S
Decal:

	Lbs.	Tns
Gross:	87,400	43.70
Tare:	28,880	14.44
Net:	58,520	29.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509459

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Developer LLC	☒ Tons ☐ Yards	
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kaylin Mora Rios of Langan as Authorized Agent for GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1239

TRANSPORTER

Company: MCB Phone Number:

Address: Belleville Truck # and License Plate: 10 AV4505

Driver: Moises Ms SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/20/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 3:27

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585325

	Date	Time	Scale
In:	08/20/2021	16:15:59	BETH
Out:	08/20/2021	16:15:59	BETH

Manifest: 2509455
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	84,740	42.37
Tare:	30,040	15.02
Net:	54,700	27.35

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509455

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~N1H2 Owner LLC~~ GPL Developed LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	84740
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	30040
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshim Mata Dia of Lam Yan as authorized agent of GPL Developed LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1337

TRANSPORTER

Company: JC transport Phone Number:

Address: 39 Porck Ave Truck # and License Plate: 40 AU 6060

Driver: L Espinosa (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 4:15

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585328

	Date	Time	Scale
In:	08/20/2021	16:18:51	BETH
Out:	08/20/2021	16:18:51	BETH

Manifest: 2509457
Vehicle: 03-AW463F
Decal:

	Lbs.	Tns
Gross:	80,340	40.17
Tare:	29,120	14.56
Net:	51,220	25.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth™

Manifest # 2509457

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	80340
35 Commercial Street	TARE WEIGHT:	29120
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Washing Note Spin of Larger as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time:

TRANSPORTER

Company: JC Phone Number:

Address: Truck # and License Plate: 43 AW463F

Driver: Orlando Zamba (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-20-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 4:17

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585358

	Date	Time	Scale
In:	08/20/2021	17:01:05	BETH
Out:	08/20/2021	17:01:05	BETH

Manifest: 2509458
Vehicle: 03-AX917D
Decal:

	Lbs.	Tns
Gross:	83,400	41.70
Tare:	27,700	13.85
Net:	55,700	27.85

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509458

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	83400
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27700
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	55700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

(Comps A(0-5), B(0-5), C(0-5), D(0-5),) E(0-5), F(0-5), (G(0-5), H(0-5),) I(5-10), (J(0-2), K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoseph Mosha Dion of Lungs agathered right of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/20/2021

TRANSPORTER

Company: PiPo's Trucking, LLC Phone Number: (646 509-8833

Address: N. Bergen, NJ Truck # and License Plate: 04-AX917D-NJ

Driver: Temos Alcantara SW Haulers Permit #: 1199

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 08/20/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2585329

	Date	Time	Scale
In:	08/21/2021	11:49:07	Manual
Out:	08/21/2021	11:49:07	Manual

Manifest: 2509456
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	86,660	43.33
Tare:	27,980	13.99
Net:	58,680	29.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509456

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	86660
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Diaz or Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/20/2021 1354

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Arial SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-20-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/21/21 718

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2586312

	Date	Time	Scale
In:	08/21/2021	11:58:50	Manual
Out:	08/21/2021	11:58:50	Manual

Manifest: 2509452
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	84,340	42.17
Tare:	28,540	14.27
Net:	55,800	27.90

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509452

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~HIH2 Owner LLC~~ GPL Developer LLC	☒ Tons ☐ Yards	74340
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28540
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	55800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Project Manager of GPL Developer LLC Title: Field

Signature: Date and Time: 8/20/2021 1439

TRANSPORTER

Company: Joel Trucking Phone Number: 201 699 6434

Address: Secaucus NJ Truck # and License Plate: #5 AU2601

Driver: Yog SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/21/21 723

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2586317

	Date	Time	Scale
In:	08/21/2021	11:59:57	Manual
Out:	08/21/2021	11:59:57	Manual

Manifest: 2509454
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	87,140	43.57
Tare:	28,340	14.17
Net:	58,800	29.40

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem

Andrew DeColli

CleanEarth

Manifest # 2509454

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	37140
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is ~~being~~ shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yushim Mosh Duma of Lenger as authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/20/2021 1425

TRANSPORTER

Company: Mega Trucking Phone Number: -

Address: Truck # and License Plate: #3 AV714R

Driver: Christopher Prado SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/20/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/20/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/20/21 8/24/21 7:24

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2586750

	Date	Time	Scale
In:	08/24/2021	13:41:03	BETH
Out:	08/24/2021	13:41:03	BETH

Manifest: 2509450
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	90,480	45.24
Tare:	28,140	14.07
Net:	62,340	31.17

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: K 0-2

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 250945(

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	90480
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	62340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashira Mota Diaz of Langan as authored agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/24/2021 1012

TRANSPORTER

Company: LOGITECH Phone Number:

Address: 470 AMSIDE AV NJ Truck # and License Plate: AW-690L #03

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/24/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/24/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/21 1:40

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2587945

	Date	Time	Scale
In:	08/24/2021	14:04:57	Manual
Out:	08/24/2021	14:04:57	Manual

Manifest: 2509451
Vehicle: 03-AU808Y
Decal:

	Lbs.	Tns
Gross:	89,860	44.93
Tare:	28,420	14.21
Net:	61,440	30.72

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509451

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	89860
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	61440

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaslin Nota Dial of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/24/2020

TRANSPORTER

Company: Logitech Phone Number:

Address: 470 Hillside Av Hillside NJ Truck # and License Plate: #33 AU 8089

Driver: (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/24/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/24/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/2021 2:04

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2587958

	Date	Time	Scale
In:	08/24/2021	14:08:08	Manual
Out:	08/24/2021	14:08:08	Manual

Manifest: 2509447
Vehicle: 03-AW291K
Decal:

	Lbs.	Tns
Gross:	84,580	42.29
Tare:	29,300	14.65
Net:	55,280	27.64

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509447

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	84580
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29300
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mata Diaz of Langan as authorized agent of GPL Dev LLC Title: Field

Signature: [signature] Date and Time: 8/24/2021 1104

TRANSPORTER

Company: AVN Phone Number:

Address: 470 HILLSIDE AV Truck # and License Plate: 24-AW291K

Driver: Bryant SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-24-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-24-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/21 207

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2588027

	Date	Time	Scale
In:	08/24/2021	14:38:21	BETH
Out:	08/24/2021	14:38:21	BETH

Manifest: 2509445
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	82,920	41.46
Tare:	28,200	14.10
Net:	54,720	27.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 250944!

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmet LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82920
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28200
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: pasha note Dim of Langan as authorized agent for GPL L Development LLC Title: Field

Signature: [signature] Date and Time: 8/24/2021 1129

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 HULSIDE NJ Truck # and License Plate: #31 AU807Y NJ

Driver: TELLO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO Date and Time: 8-24-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO Date and Time: 8-24-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/21 238

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2588032

	Date	Time	Scale
In:	08/24/2021	14:40:43	Manual
Out:	08/24/2021	14:40:43	Manual

Manifest: 2509446
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	84,100	42.05
Tare:	28,520	14.26
Net:	55,580	27.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509446

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	84100
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28520
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mota Diaz of Kearny NJ authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/24/2021 1219

TRANSPORTER

Company: LOGITECH T Phone Number: 201-736-8005

Address: HILLSIDE NJ Truck # and License Plate: AU1952 NJ #19

Driver: TITO BARAHONA (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8.24.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8.24.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/21 240

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2588651

	Date	Time	Scale
In:	08/26/2021	09:16:56	Manual
Out:	08/26/2021	09:16:56	Manual

Manifest: 2509444
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	96,820	48.41
Tare:	28,420	14.21
Net:	68,400	34.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509444

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~HH12 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	96820
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	68400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 0712

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #8 AW770P

Driver: Orelsis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/24/21 9:15

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2589941

	Date	Time	Scale
In:	08/26/2021	09:50:22	Manual
Out:	08/26/2021	09:50:22	Manual

Manifest: 2509441
Vehicle: 03-AS126P
Decal:

	Lbs.	Tns
Gross:	85,600	42.80
Tare:	29,160	14.58
Net:	56,440	28.22

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509441

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85600
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29160
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56440

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Moh Diaz as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 0740

TRANSPORTER

Company: Manolos Phone Number:

Address: Truck # and License Plate: #08 AS126P

Driver: Melchor Menez SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2589952

	Date	Time	Scale
In:	08/26/2021	09:55:04	BETH
Out:	08/26/2021	09:55:04	BETH

Manifest: 2509442
Vehicle: 03-AT380H
Decal:

	Lbs.	Tns
Gross:	84,880	42.44
Tare:	28,820	14.41
Net:	56,060	28.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509442

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	84880
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28820
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmine Mohr Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021

TRANSPORTER

Company: Manolos Trucking Phone Number:

Address: Belleville NJ. Truck # and License Plate: 14 AT380H

Driver: BYRON (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: BZC Date and Time: 8/26/21 7:30 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: BZC Date and Time: 8/26/21 7:30 AM

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2589958

	Date	Time	Scale
In:	08/26/2021	09:57:53	Manual
Out:	08/26/2021	09:57:53	Manual

Manifest: 2509443
Vehicle: 03-AU205L
Decal:

	Lbs.	Tns
Gross:	84,360	42.18
Tare:	29,640	14.82
Net:	54,720	27.36

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509443

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
H1H2 Owner LLC & GPL Development LLC	☒ Tons ☐ Yards	84360
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29640
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	54720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar Mola Director of Design for GPL Development LLC Title: Eng

Signature: [signature] Date and Time: 8/26/2021 0720

TRANSPORTER

Company: MANOLOS Phone Number:

Address: Bloomfield NJ Truck # and License Plate: AV205-L #18

Driver: XAVIER C. SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2589961

	Date	Time	Scale
In:	08/26/2021	10:00:06	Manual
Out:	08/26/2021	10:00:06	Manual

Manifest: 2509439
Vehicle: 03-AW755A
Decal:

	Lbs.	Tns
Gross:	79,620	39.81
Tare:	29,440	14.72
Net:	50,180	25.09

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509439

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmnt LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79620
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29440
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashe Mate Dial or Kangan as authorized agent of GPL Developmnt LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 0744

TRANSPORTER

Company: MANOLOS. Phone Number:

Address: Truck # and License Plate: 21 AW755A.

Driver: DIEGO E SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/26/21.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590026

	Date	Time	Scale
In:	08/26/2021	10:19:52	Manual
Out:	08/26/2021	10:19:52	Manual

Manifest: 2509437
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	83,560	41.78
Tare:	27,980	13.99
Net:	55,580	27.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509437

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83560
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	27980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Pike of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7 - AS599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 0:18

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590036

	Date	Time	Scale
In:	08/26/2021	10:22:13	Manual
Out:	08/26/2021	10:22:13	Manual

Manifest: 2509438
Vehicle: 03-AT773S
Decal:

	Lbs.	Tns
Gross:	79,260	39.63
Tare:	27,620	13.81
Net:	51,640	25.82

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509438

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	7240
H1H2 Owner LLC GPL Development LLC 35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	2220
Brooklyn, NY 11222 GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	5020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), (B(0-5)) C(0-5), D(0-5), (E(0-5)), (F(0-5)) (G(0-5)) (H(0-5)), I(5-10), (J(0-2)), (K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yesika Mola Diaz on behalf of Enrique Lugo of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 0744 8/26/2021 953

TRANSPORTER

Company: MANOLOS Phone Number: 862 291 3567

Address: NJ Truck # and License Plate: AT-7935

Driver: Santiago Jaramillo SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 10:22

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590089

	Date	Time	Scale
In:	08/26/2021	10:38:38	Manual
Out:	08/26/2021	10:38:38	Manual

Manifest: 2509436
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	96,120	48.06
Tare:	28,540	14.27
Net:	67,580	33.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509436

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	96120
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28540
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	67580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashina Mohabir of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 0809

TRANSPORTER

Company: Joel Trucking Phone Number: 201 699 6434

Address: Secaucus NJ. Truck # and License Plate: #5 AU260R

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 10:37

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590126

	Date	Time	Scale
In:	08/26/2021	10:50:26	Manual
Out:	08/26/2021	10:50:26	Manual

Manifest: 2509435
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	83,140	41.57
Tare:	28,340	14.17
Net:	54,800	27.40

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509435

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83140
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28340
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mota Dizz of Langan authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 0814

TRANSPORTER

Company: Mesa trucking Phone Number:

Address: Truck # and License Plate: #3 AU714R

Driver: Christopher Prado (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 10:49

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590289

	Date	Time	Scale
In:	08/26/2021	11:47:15	BETH
Out:	08/26/2021	11:47:15	BETH

Manifest: 2509433
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	93,460	46.73
Tare:	26,180	13.09
Net:	67,280	33.64

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509433

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	93460
~~N1H2 Owner LLC~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	22180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	71280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yuliana Mesa of Langan as authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/26/2021 0905

TRANSPORTER

Company: MESA Phone Number:

Address: Truck # and License Plate: AS420W

Driver: RAUL GUERRA SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ~~Date and~~ Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11:45 8/26/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590496

	Date	Time	Scale
In:	08/26/2021	13:17:57	Manual
Out:	08/26/2021	13:17:57	Manual

Manifest: 2509432
Vehicle: 03-AW754A
Decal:

	Lbs.	Tns
Gross:	85,520	42.76
Tare:	29,340	14.67
Net:	56,180	28.09

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509432

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85520
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29340
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	56180
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kevin Mott Dir of Engr as Authorize agent of GPL Developer LLC Title: Field

Signature: Date and Time: 8/26/2021 10:54

TRANSPORTER

Company: Manolos Phone Number:

Address: Truck # and License Plate: AW754A #20

Driver: JAIRO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/26/21 1117

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590537

	Date	Time	Scale
In:	08/26/2021	13:41:44	Manual
Out:	08/26/2021	13:41:44	Manual

Manifest: 2509430
Vehicle: 03-AT184B
Decal:

	Lbs.	Tns
Gross:	78,940	39.47
Tare:	29,180	14.59
Net:	49,760	24.88

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509430

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~11H2 Owner LLC~~ GPL Developed LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	78940
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49760

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashwa Mata Pia Z of Langan as authorized agent of GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 1111

TRANSPORTER

Company: MANOLO'S Phone Number:

Address: Truck # and License Plate: 12 - AT184B

Driver: MILTON G SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 140

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590694

	Date	Time	Scale
In:	08/26/2021	14:49:25	BETH
Out:	08/26/2021	14:49:25	BETH

Manifest: 2509429
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	83,640	41.82
Tare:	28,420	14.21
Net:	55,220	27.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509429

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83640
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28420
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashim Moh Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 1136

TRANSPORTER

Company: Soel Phone Number:

Address: Truck # and License Plate: #8 AW770P

Driver: Orelbis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 2:48

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590714

	Date	Time	Scale
In:	08/26/2021	15:05:20	BETH
Out:	08/26/2021	15:05:20	BETH

Manifest: 2509426
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	88,140	44.07
Tare:	28,180	14.09
Net:	59,960	29.98

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509426

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	88140
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59960

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasin Mohr Disc of Lanson and authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 1259

TRANSPORTER

Company: Mesa Truching Phone Number:

Address: Truck # and License Plate: AW 285 R #5

Driver: José Barcalb (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 3:04

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590723

	Date	Time	Scale
In:	08/26/2021	15:13:20	BETH
Out:	08/26/2021	15:13:20	BETH

Manifest: 2509428
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	81,160	40.58
Tare:	27,980	13.99
Net:	53,180	26.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509428

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	81160
~~HHI2 Owner LLC~~ GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vestor Cook Acts as Employee or Authorized Agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 1241

TRANSPORTER

Company: Tarl Phone Number:

Address: Truck # and License Plate: #7- A5559X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 3:12

FACILITY

Revised 1/20/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590725

	Date	Time	Scale
In:	08/26/2021	15:17:58	BETH
Out:	08/26/2021	15:17:58	BETH

Manifest: 2509427
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	67,980	33.99
Tare:	28,540	14.27
Net:	39,440	19.72

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509427

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~HTH2 Owner LLC~~ GPL Development LLC		67980
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28540
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	39440

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/26/2021 12:55

TRANSPORTER

Company: Earl Trucking Phone Number: 201 655 6434

Address: Secaucus NJ Truck # and License Plate: #5 AU260R

Driver: Joe SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/26/21 3:17

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590744

	Date	Time	Scale
In:	08/26/2021	15:35:20	BETH
Out:	08/26/2021	15:35:20	BETH

Manifest: 2509424
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	85,020	42.51
Tare:	28,340	14.17
Net:	56,680	28.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509424

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85020
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5) C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10) J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yesenia Nieto Diaz authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 8/26/2021 1315

TRANSPORTER

Company: Mega Trucking Phone Number: —

Address: _____ Truck # and License Plate: #3 AV714R

Driver: Christopher Prado SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/26/21 3:34

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590750

	Date	Time	Scale
In:	08/26/2021	15:38:02	BETH
Out:	08/26/2021	15:38:02	BETH

Manifest: 2509425
Vehicle: 03-AW755A
Decal:

	Lbs.	Tns
Gross:	80,140	40.07
Tare:	29,440	14.72
Net:	50,700	25.35

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509425

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80140
~~H1H2 Owner LLC~~ GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29440
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mia Diaz or Lenny is authorized agent of GPL Developer LLC Title: Field

Signature: Date and Time: 8/26/2021 1310

TRANSPORTER

Company: HAWLOS Phone Number:

Address: Truck # and License Plate: 21 AW755A.

Driver: DIEGO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/26/21 3:37

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2590411

	Date	Time	Scale
In:	08/27/2021	07:03:25	BETH
Out:	08/27/2021	07:03:25	BETH

	Lbs.	Tns
Gross:	80,160	40.08
Tare:	29,540	14.77
Net:	50,620	25.31

Manifest: 2509431
Vehicle: 03-AT250E
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver Andrew DeColli

Facility Clean Earth of Bethlehem

CleanEarth™

Manifest # 2509431

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developers LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	80160
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29540
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50620

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mohamed of Lara as authorized agent of GPL Developers LLC Title: Field

Signature: [signature] Date and Time: 8/26/2021 1100

TRANSPORTER

Company: Manolos Phone Number:

Address: Truck # and License Plate: AT 250 E #13

Driver: Marco ✓ SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591191

	Date	Time	Scale
In:	08/27/2021	09:41:32	Manual
Out:	08/27/2021	09:41:32	Manual

Manifest: 2509423
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	75,040	37.52
Tare:	29,660	14.83
Net:	45,380	22.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509423

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1H2 Owner LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	75040
	TARE WEIGHT: ☒ Tons ☐ Yards	29660
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	45380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Malgieri As Authorized Agent for Title: geologist

Signature: [signature] GP H1H2 Date and Time: 8/26/21 7:18

TRANSPORTER

Company: JC transport Phone Number:

Address: Truck # and License Plate: AW 728 N 47

Driver: Andre Lara (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Andre Date and Time: 08/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Andre Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/27/21 9:40

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591196

	Date	Time	Scale
In:	08/27/2021	09:43:52	Manual
Out:	08/27/2021	09:43:52	Manual

Manifest: 2509420
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	73,540	36.77
Tare:	29,500	14.75
Net:	44,040	22.02

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509420

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	73540
H1H2 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29500
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: RJ Malgioglio as Authorized Agent Title: geologist

Signature: per H1H2 LLC Date and Time: 8/26/21 7:25

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AW 843W

Driver: Rothman SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/26/21 943

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591204

	Date	Time	Scale
In:	08/27/2021	09:46:30	Manual
Out:	08/27/2021	09:46:30	Manual

Manifest: 2509421
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	75,720	37.86
Tare:	29,640	14.82
Net:	46,080	23.04

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509421

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	75.20
H1H2 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29.40
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44.80

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Mahoney As Authorized Agent for H1H2 LLC Title: Geologist

Signature: [signature] Date and Time: 8/26/21 7:22

TRANSPORTER

Company: JC TRANSPORT Phone Number: #45

Address: Truck # and License Plate: AW 726 N-NJ

Driver: CALERO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: CALERO Date and Time: 8-26-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: CALERO Date and Time: 8-26-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/26/21 9:45

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591208

	Date	Time	Scale
In:	08/27/2021	09:49:12	Manual
Out:	08/27/2021	09:49:12	Manual

Manifest: 2509422
Vehicle: 03-AW725N
Decal:

	Lbs.	Tns
Gross:	73,840	36.92
Tare:	29,680	14.84
Net:	44,160	22.08

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509422

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
H1H2 Owner LLC	☒ Tons ☐ Yards	73340
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29600
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	44140

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: TJ Malgieri of Langan As Authorized Agent for H1H2 LLC Title: geologist

Signature: Date and Time: 8/26/21 7:00

TRANSPORTER

Company: J.C Transport Phone Number:

Address: Truck # and License Plate: AW725M #44

Driver: Pablo Morchow SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/26/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/26/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/27/21 9:48

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591394

	Date	Time	Scale
In:	08/27/2021	11:06:14	BETH
Out:	08/27/2021	11:06:14	BETH

Manifest: 2509419
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	79,900	39.95
Tare:	29,360	14.68
Net:	50,540	25.27

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509419

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	79900
HTH2 Owner LLC GPL 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50540

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), (B(0-5)), (C(0-5)), (D(0-5)), E(0-5), F(0-5), (G(0-5)), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Mulgrew of Langan as Authorized Agent for HTH2 LLC Title: geologist

Signature: _____ Date and Time: 8/27/21 7:30

TRANSPORTER

Company: JC transport Phone Number: _____

Address: NJ Truck # and License Plate: AX226E

Driver: Jayson SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/27/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591669

	Date	Time	Scale
In:	08/27/2021	12:50:58	Manual
Out:	08/27/2021	12:50:58	Manual

Manifest: 2509418
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	77,300	38.65
Tare:	29,360	14.68
Net:	47,940	23.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509418

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	77300
H1H2 Owner LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	47940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Mahoney, as Authorized Agent for H1H2 LLC Title: Geologist

Signature: Date and Time: 8/27/21 9:45

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tom Conchuso SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tom Conchuso Date and Time: 8-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/27/21 12:51

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591676

	Date	Time	Scale
In:	08/27/2021	12:55:28	Manual
Out:	08/27/2021	12:55:28	Manual

Manifest: 2509417
Vehicle: 03-AW727N
Decal:

	Lbs.	Tns
Gross:	79,640	39.82
Tare:	30,040	15.02
Net:	49,600	24.80

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509417

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	79410
H1H2 Owner LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), (B(0-5)), C(0-5), (D(0-5)), E(0-5), F(0-5), G(0-5), (H(0-5)), (I(5-10)), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: DMalgieri as Authorized Agent for H1H2 LLC Title: Geologist

Signature: [signature] Date and Time: 8/27/21 10:14

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #46 - AW727N

Driver: Robinson SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Robinson Date and Time: 8-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Robinson Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/27/21 R-55

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591879

	Date	Time	Scale
In:	08/27/2021	14:48:48	BETH
Out:	08/27/2021	14:48:48	BETH

Manifest: 2509415
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	74,360	37.18
Tare:	29,660	14.83
Net:	44,700	22.35

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509415

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	74340
H1H2 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29640
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), (D(0-5)), E(0-5), F(0-5), G(0-5), H(0-5), (I(5-10)), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Mulgrew As Authorized Agent for GFC Developers LLC Title: Geologist - Langan

Signature: [signature] Date and Time: 8/27/21 12:15 PM

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AW728N 47

Driver: Andre SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/27/21 2:47

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591886

	Date	Time	Scale
In:	08/27/2021	14:51:37	BETH
Out:	08/27/2021	14:51:37	BETH

Manifest: 2509416
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	77,560	38.78
Tare:	29,500	14.75
Net:	48,060	24.03

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 250941

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	77560
H1H2 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29500
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Malgeri of Langan As Authorized Agent for CPL Developers LLC Title: Geologist

Signature: Date and Time: 8/27/21 - 12:11 Pm

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AW643CE - JC48

Driver: Rothman Pareedes SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08-27-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/27/21 2:50

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591891

	Date	Time	Scale
In:	08/27/2021	14:53:56	BETH
Out:	08/27/2021	14:53:56	BETH

Manifest: 2509414
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	77,320	38.66
Tare:	29,640	14.82
Net:	47,680	23.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 250941

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	77320
H1H2 Owner LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29640
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	47680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: TJ Migliori As Authorized Agent for EPI Developers LLC Title: Geologist - Longan

Signature: _____ Date and Time: 8/27/21 12:25 PM

TRANSPORTER

Company: JC Transport Phone Number: #45

Address: _____ Truck # and License Plate: AW 726 N-NJ

Driver: Calero SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Calero Date and Time: 8-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Calero Date and Time: 8-27-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/27/21 2:53

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2591659

	Date	Time	Scale
In:	08/30/2021	09:17:48	Manual
Out:	08/30/2021	09:17:48	Manual

Manifest: 2509410
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	83,780	41.89
Tare:	29,400	14.70
Net:	54,380	27.19

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509410

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83780
~~HIH2 Owner LLC~~ GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29400
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: [illegible] Title: Field

Signature: [signature] Date and Time: 8/30/2021 0722

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778U

Driver: Jose Cabrera SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8.30.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 9:17

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592701

	Date	Time	Scale
In:	08/30/2021	09:46:12	Manual
Out:	08/30/2021	09:46:12	Manual

Manifest: 2509408
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	80,060	40.03
Tare:	29,360	14.68
Net:	50,700	25.35

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509408

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner~~ LLC GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	80060
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashe Roth Dick of Langan as authorized agent of GPL Devel LLC Title: Field

Signature: [signature] Date and Time: 8/30/2021

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 9:46

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592713

	Date	Time	Scale
In:	08/30/2021	09:54:32	BETH
Out:	08/30/2021	09:54:32	BETH

Manifest: 2509409
Vehicle: 03-AT995T
Decal:

	Lbs.	Tns
Gross:	84,540	42.27
Tare:	28,780	14.39
Net:	55,760	27.88

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509409

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~HHH2 Owner LLC~~ GPL Development Llc	☒ Tons ☐ Yards	84540
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28780
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	55760

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2) K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaqov Mark Dym for Mangia as authorized agent of GPL Dev LLC Title: Field

Signature: ✓ Date and Time: 8/30/2021 0928

TRANSPORTER

Company: C.F. Bros #13 Phone Number:

Address: Truck # and License Plate: AT995T

Driver: R Lupe SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/30/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592747

	Date	Time	Scale
In:	08/30/2021	10:05:20	BETH
Out:	08/30/2021	10:05:20	BETH

	Lbs.	Tns
Gross:	82,740	41.37
Tare:	28,440	14.22
Net:	54,300	27.15

Manifest: 2509411
Vehicle: 03-AR874C
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509411

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82740
35 Commercial Street	TARE WEIGHT:	28440
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Moth Diaz of Lanson as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/30/2021 7:17a

TRANSPORTER

Company: CE BROS. 09 Phone Number:

Address: Truck # and License Plate: 09 AR 874C

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/30/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 10:04

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592759

	Date	Time	Scale
In:	08/30/2021	10:12:21	BETH
Out:	08/30/2021	10:12:21	BETH

Manifest: 2509407
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	88,860	44.43
Tare:	28,180	14.09
Net:	60,680	30.34

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509407

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	88860
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaron with GPL Development LLC as Generator's Agent Title: Field

Signature: Date and Time: 8/30/2021 0758

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R

Driver: Jose Barcelo SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8.30.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/30/21 10:12

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592952

	Date	Time	Scale
In:	08/30/2021	11:22:54	BETH
Out:	08/30/2021	11:22:54	BETH

Manifest: 2509405
Vehicle: 03-AX228E
Decal:

	Lbs.	Tns
Gross:	87,660	43.83
Tare:	29,440	14.72
Net:	58,220	29.11

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509405

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmet LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87660
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29440
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kaston Mate Area of Langan as authorized agent of GPL LLC Title: Field 1

Signature: [signature] Date and Time: 8/30/2021 0900

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: 56-AX228E

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-30-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 11:22

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592966

	Date	Time	Scale
In:	08/30/2021	11:27:04	Manual
Out:	08/30/2021	11:27:04	Manual

Manifest: 2509404
Vehicle: 03-AW645W
Decal:

	Lbs.	Tns
Gross:	85,540	42.77
Tare:	29,220	14.61
Net:	56,320	28.16

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509404

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85540
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29220
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56320

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashan Mah Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/30/2021 0909

TRANSPORTER

Company: JC. Phone Number:

Address: Truck # and License Plate: AW645 W

Driver: Fehi bc P (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-30-21

I hereby certify that the ~~above named material has~~ been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 11:27

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2592982

	Date	Time	Scale
In:	08/30/2021	11:33:47	Manual
Out:	08/30/2021	11:33:47	Manual

Manifest: 2509406
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	91,140	45.57
Tare:	28,540	14.27
Net:	62,600	31.30

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509406

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
~~HHH2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	91140
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	25540
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	65600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: Field

Signature: [signature] Date and Time: 8/30/2021 0834

TRANSPORTER

Company: Jall Trucking Phone Number: 201 655 6434

Address: Secaucus NJ Truck # and License Plate: #5 AU260R

Driver: Yog (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/30/21

I hereby certify that ~~the above named~~ material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 11:32

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2593334

	Date	Time	Scale
In:	08/30/2021	14:22:32	Manual
Out:	08/30/2021	14:22:32	Manual

Manifest: 2509403
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	83,780	41.89
Tare:	29,400	14.70
Net:	54,380	27.19

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

eanEarth™

Manifest # 2509403

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
HTH2 Owner LLC GPL Development LLC	☒ Tons ☐ Yards	53780
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29400
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	54380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jason Kent Bier of Engineering and Surveyor agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/30/2021 1221

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778V

Driver: Jose Cabrera SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8.30.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 221

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2593411

	Date	Time	Scale
In:	08/30/2021	15:22:25	BETH
Out:	08/30/2021	15:22:25	BETH

Manifest: 2509402
Vehicle: 03-AT995T
Decal:

	Lbs.	Tns
Gross:	85,740	42.87
Tare:	28,780	14.39
Net:	56,960	28.48

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth™

Manifest # 2509402

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Develop LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85740
35 Commercial Street	TARE WEIGHT:	28780
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56960

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: Field

Signature: [signature] Date and Time: 8/30/2021 1244

TRANSPORTER

Company: CF Bros Phone Number:

Address: Truck # and License Plate: AT9957

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/20/21 3:22

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2593416

	Date	Time	Scale
In:	08/30/2021	15:27:25	BETH
Out:	08/30/2021	15:27:25	BETH

Manifest: 2509401
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	83,880	41.94
Tare:	29,360	14.68
Net:	54,520	27.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509401

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmental LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83880
35 Commercial Street	TARE WEIGHT:	29360
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yasin Mutlu Ibrahim of Lawson as authorized agent of GPL Develop. LLC Title: Field

Signature: [signature] Date and Time: 8/30/2021 1247

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/30/21 3:26

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2593453

	Date	Time	Scale
In:	08/30/2021	15:55:48	BETH
Out:	08/30/2021	15:55:48	BETH

	Lbs.	Tns
Gross:	81,420	40.71
Tare:	28,440	14.22
Net:	52,980	26.49

Manifest: 2509400
Vehicle: 03-AR874C
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509400

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	81420
~~HH12 Owner LLC~~ GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28440
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

~~Comp A (0-5), B (0-5), C (0-5), D (0-5), E (0-5), F (0-5), G (0-5), H (0-5), I (0-5), J (0-2), K (0-2)~~

→ COMP C (0-5) COMP I (9-10)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 8/30/2021 1306

TRANSPORTER

Company: CF Brothers. Phone Number: 874

Address: Bound Brook Truck # and License Plate: 09 / AR-847C.

Driver: Marcos Martinez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8/30/21.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/30/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/30/21 3:55

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2593261

	Date	Time	Scale
In:	08/31/2021	09:44:36	Manual
Out:	08/31/2021	09:44:36	Manual

Manifest: 2509399
Vehicle: 03-AW725N
Decal:

	Lbs.	Tns
Gross:	74,520	37.26
Tare:	29,680	14.84
Net:	44,840	22.42

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509399

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	74520
H1H2 Owner LLC - GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29680
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44840

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Agent of GPL Development LLC Title: Field

Signature: Date and Time: 8/31/21 0732

TRANSPORTER

Company: J.C Transport Phone Number:

Address: Truck # and License Plate: AW 725N #44

Driver: Pablo Manchemo SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 8/31/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8/31/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 8/31/21 9:44

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2594046

	Date	Time	Scale
In:	08/31/2021	10:11:14	Manual
Out:	08/31/2021	10:11:14	Manual

Manifest: 2509398
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	78,820	39.41
Tare:	29,360	14.68
Net:	49,460	24.73

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509398

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1H2 Owner LLC GPL Developed LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	78820
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49460

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: [illegible] Title: Field

Signature: [signature] Date and Time: 8/31/2021 0736

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tom Cochimbo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-31-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/31/21 1010

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2594055

	Date	Time	Scale
In:	08/31/2021	10:13:55	Manual
Out:	08/31/2021	10:13:55	Manual

Manifest: 2509397
Vehicle: 03-AU606U
Decal:

	Lbs.	Tns
Gross:	69,800	34.90
Tare:	30,040	15.02
Net:	39,760	19.88

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509397

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	69800
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	39760

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasser Mark Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 8/31/2021 07 53

TRANSPORTER

Company: JC Transport Phone Number:

Address: N. Arlington NJ Truck # and License Plate: 40 / AU6064

Driver: Sandro Jim S. SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8/31/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/31/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/31/21 10:13

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2594118

	Date	Time	Scale
In:	08/31/2021	10:32:13	BETH
Out:	08/31/2021	10:32:13	BETH

Manifest: 2509396
Vehicle: 03-AW545B
Decal:

	Lbs.	Tns
Gross:	82,480	41.24
Tare:	29,200	14.60
Net:	53,280	26.64

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: B0-5 D0-5

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509396

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82480
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29200
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: Field

Signature: [signature] Date and Time: 8/31/2021 0803

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: 38 AW 545B

Driver: NAPOLEAO REIS SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Reis Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Reis Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8/31/21 10:31

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2596242

	Date	Time	Scale
In:	09/03/2021	10:56:24	BETH
Out:	09/03/2021	10:56:24	BETH

Manifest: 2509489
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	83,900	41.95
Tare:	28,180	14.09
Net:	55,720	27.86

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: F 0-5

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth

Manifest # 2509489

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83900
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55720

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodyear of Langan as authorized agent for GPL Development LLC Title: Inspector

Signature: Date and Time: 9/3/21

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #5

Driver: Jose Barzallo SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-3-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-3-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/3/21 10:55

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2597346

	Date	Time	Scale
In:	09/03/2021	11:09:24	BETH
Out:	09/03/2021	11:09:24	BETH

Manifest: 2509488
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	79,840	39.92
Tare:	28,420	14.21
Net:	51,420	25.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: F 0-5

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509488

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79840
35 Commercial Street	TARE WEIGHT:	28420
Brooklyn, NY 11222	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodrich of Langan as authorized agent of GPL Development LLC Title: Inspector

Signature: [signature] Date and Time: 9/3/21

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #8 AW770P

Driver: Orekis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-3-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-3-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/3/21 11:08

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2597597

	Date	Time	Scale
In:	09/03/2021	12:59:53	Manual
Out:	09/03/2021	12:59:53	Manual

Manifest: 2509487
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	89,740	44.87
Tare:	28,560	14.28
Net:	61,180	30.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509487

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	89740
H1H2 Owner LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28560
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	61180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Tyler Goodrich of Lazan as authorized agent of CE Development LLC Title: Inspector

Signature: Date and Time: 9/3/21

TRANSPORTER

Company: TOC Phone Number:

Address: Truck # and License Plate: #6 AW614K

Driver: Juan SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9/3/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9/3/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2598880

	Date	Time	Scale
In:	09/08/2021	09:38:50	Manual
Out:	09/08/2021	09:38:50	Manual

Manifest: 2509395
Vehicle: 03-AW799P
Decal:

	Lbs.	Tns
Gross:	77,240	38.62
Tare:	28,000	14.00
Net:	49,240	24.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509395

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developers LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	77240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28000
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yashua Mota Dir of Langan as authorized agent of GPL Devon LLC Title: Field

Signature: [signature] Date and Time: 9/8/2021 0720

TRANSPORTER

Company: GGomez Phone Number:

Address: Truck # and License Plate: AW799P #02

Driver: DIVPRD SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: DM Date and Time: 9/8/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: DM Date and Time: 9/8/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/8/21 9:37

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2599758

	Date	Time	Scale
In:	09/08/2021	09:53:52	Manual
Out:	09/08/2021	09:53:52	Manual

Manifest: 2509394
Vehicle: 03-AS341S
Decal:

	Lbs.	Tns
Gross:	82,940	41.47
Tare:	28,980	14.49
Net:	53,960	26.98

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509394

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	82940
~~MIH2 Owner LLC~~ GPL Developer LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53960

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yoshua Mota Diaz of Langan as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/8/2021 07:30

TRANSPORTER

Company: Andrades Phone Number:

Address: Truck # and License Plate: 7 AS3415

Driver: Henry SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-8-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-8-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/8/21 9:53

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2599778

	Date	Time	Scale
In:	09/08/2021	10:04:12	BETH
Out:	09/08/2021	10:04:12	BETH

Manifest: 2509393
Vehicle: 03-AP158Y
Decal:

	Lbs.	Tns
Gross:	87,740	43.87
Tare:	28,280	14.14
Net:	59,460	29.73

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:

Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: G 0-5 H 0-5

Driver

Facility Clean Earth of Bethlehem

Denise D. 89414

CleanEarth

Manifest # 2509393

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87240
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28280
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	58960
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), (G(0-5), H(0-5)) I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Matthew Mecke Vice Langan Eng authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 9/8/2021 0741

TRANSPORTER

Company: Andrade Trans DOT Phone Number:

Address: Newark, NJ Truck # and License Plate: #1 · AP158Y

Driver: Mario Bermo SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 09-08-2021 07:45am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/8/21 10:02

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2600277

	Date	Time	Scale
In:	09/08/2021	14:14:46	Manual
Out:	09/08/2021	14:14:46	Manual

Manifest: 2509392
Vehicle: 03-AW799P
Decal:

	Lbs.	Tns
Gross:	83,060	41.53
Tare:	28,000	14.00
Net:	55,060	27.53

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509392

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83060
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28000
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55060

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mata Diaz of Langan as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/8/2021 11 48

TRANSPORTER

Company: 6.60 Mer Phone Number:

Address: Truck # and License Plate: AW799P #02

Driver: DWAN SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/8/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/8/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/8/21 2:13

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2600419

	Date	Time	Scale
In:	09/08/2021	15:52:11	BETH
Out:	09/08/2021	15:52:11	BETH

Manifest: 2509390
Vehicle: 03-AS341S
Decal:

	Lbs.	Tns
Gross:	86,400	43.20
Tare:	28,980	14.49
Net:	57,420	28.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509390

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	86400
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshio Mori One of Lawrence authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/8/2021 1304

TRANSPORTER

Company: Andrades Phone Number:

Address: Truck # and License Plate: 7 AS3415

Driver: Henry (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-8-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/8/21 3:50

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2600424

	Date	Time	Scale
In:	09/08/2021	15:59:04	BETH
Out:	09/08/2021	15:59:04	BETH

Manifest: 2509391
Vehicle: 03-AP158Y
Decal:

	Lbs.	Tns
Gross:	87,960	43.98
Tare:	28,280	14.14
Net:	59,680	29.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier:
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: G 0-5 H 0-5

Driver Denise D.

Facility Clean Earth of Bethlehem
89414

CleanEarth™

Manifest # 2509391

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: H1H2 Owner LLC GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87960
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28280
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/8/2021 1320

TRANSPORTER

Company: Andrades Transport Phone Number:

Address: Newark NJ Truck # and License Plate: #1 AP158Y

Driver: Marco Bernot SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 09-08-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/8/21 3:58

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2600301

	Date	Time	Scale
In:	09/09/2021	13:37:14	Manual
Out:	09/09/2021	13:37:14	Manual

Manifest: 2509388
Vehicle: 03-AS416T
Decal:

	Lbs.	Tns
Gross:	84,620	42.31
Tare:	28,220	14.11
Net:	56,400	28.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A B 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509388

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	84620
H1H2 Owner LLC GPL Developer LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28220
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5), B(0-5),) C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mock Driver for Keyser as Agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 4/9/2021 11:12

TRANSPORTER

Company: Keyser Trucking Phone Number:

Address: Truck # and License Plate: AS416T #64

Driver: Godwin Tyburski SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/9/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601327

	Date	Time	Scale
In:	09/09/2021	13:41:09	Manual
Out:	09/09/2021	13:41:09	Manual

Manifest: 2509387
Vehicle: 03-AX723C
Decal:

	Lbs.	Tns
Gross:	87,260	43.63
Tare:	28,320	14.16
Net:	58,940	29.47

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A B 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509387

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	87260
~~H1H2 Owner LLC~~ GPL Developer LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28320
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Catherine Mack (Agent of GPL Developer) Title: Field

Signature: _____ Date and Time: 9/9/2021 1120

TRANSPORTER

Company: Jencar Trucking Phone Number:

Address: _____ Truck # and License Plate: #66 AX723C/NJ

Driver: Alex Salgado SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/09/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/09/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/9/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601386

	Date	Time	Scale
In:	09/09/2021	14:09:10	Manual
Out:	09/09/2021	14:09:10	Manual

Manifest: 2509385
Vehicle: 03-AX913D
Decal:

	Lbs.	Tns
Gross:	78,100	39.05
Tare:	28,400	14.20
Net:	49,700	24.85

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: H 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509385

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
H1H2 Owner LLC GPL Developer LLC	☒ Tons ☐ Yards	78100
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28400
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	49700

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), (H(0-5)), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mesh Rep of Lenger on behalf of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/9/2021 1134

TRANSPORTER

Company: Lencar #60 Phone Number:

Address: Truck # and License Plate: AX 913D

Driver: José E Garcia SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/9/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/9/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/9/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601453

	Date	Time	Scale
In:	09/09/2021	14:33:44	Manual
Out:	09/09/2021	14:33:44	Manual

Manifest: 2509384
Vehicle: 03-AW431C
Decal:

	Lbs.	Tns
Gross:	80,300	40.15
Tare:	28,140	14.07
Net:	52,160	26.08

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509384

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~HTH2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	80300
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	52160

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), (H(0-5)) I(5-10), J(0-2), K(0-2)

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Name: Please Print Clearly Yoel Weiszod GPL Development LLC Title: Field

Signature: Date and Time: 9/9/2021

TRANSPORTER

Company: Jencar Phone Number:

Address: Truck # and License Plate: ~~#65~~ AW 431C

Driver: Khalif Coates SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-9-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-9-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/9/21 232

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601479

	Date	Time	Scale
In:	09/09/2021	14:50:03	Manual
Out:	09/09/2021	14:50:03	Manual

Manifest: 2509386
Vehicle: 03-AW432C
Decal:

	Lbs.	Tns
Gross:	82,640	41.32
Tare:	27,000	13.50
Net:	55,640	27.82

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509386

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82640
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27000
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55640

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashu Mudu Diaz of Langan as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/9/2021 1100

TRANSPORTER

Company: Jencar Phone Number:

Address: Truck # and License Plate: AW432C

Driver: Miguel J (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Miguel J Date and Time: 9-9-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Miguel J Date and Time: 9-9-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/9/21 2:49

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601484

	Date	Time	Scale
In:	09/09/2021	14:54:56	Manual
Out:	09/09/2021	14:54:56	Manual

Manifest: 2509382
Vehicle: 03-AW405J
Decal:

	Lbs.	Tns
Gross:	79,120	39.56
Tare:	28,860	14.43
Net:	50,260	25.13

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509382

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79120
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28860
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yoshua Mata Diaz of Langan as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 12 10 9/9/2021

TRANSPORTER

Company: JANCAR # Phone Number:

Address: 10 Alexander DR Truck # and License Plate: AW4055

Driver: Jorge Minchol (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/9/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, 1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2601438

	Date	Time	Scale
In:	09/10/2021	10:18:26	Manual
Out:	09/10/2021	10:18:26	Manual

Manifest: 2509379
Vehicle: 03-AW727N
Decal:

	Lbs.	Tns
Gross:	76,640	38.32
Tare:	30,040	15.02
Net:	46,600	23.30

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509379

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	76640
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	46600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yashin Mata Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/10/2021 0800

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #46 - AW727N

Driver: Robinson (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9 -

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/10/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602106

	Date	Time	Scale
In:	09/10/2021	10:23:42	Manual
Out:	09/10/2021	10:23:42	Manual

Manifest: 2509380
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	78,680	39.34
Tare:	29,640	14.82
Net:	49,040	24.52

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509380

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmed LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	78680
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29640
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yashu Mata Prez of Langan as authorized agent of GPL Developmed LLC Title: Field

Signature: [signature] Date and Time: 9/10/2021 0804

TRANSPORTER

Company: JC TRANSPORT Phone Number: #45

Address: Truck # and License Plate: AW 726 N-NJ

Driver: CALERO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: CALERO Date and Time: 9-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: CALERO Date and Time: 9-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/10/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602130

	Date	Time	Scale
In:	09/10/2021	10:31:10	Manual
Out:	09/10/2021	10:31:10	Manual

Manifest: 2509377
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	78,880	39.44
Tare:	29,500	14.75
Net:	49,380	24.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509377

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	18880
~~H1H2 Owner LLC~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	24500
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps ~~A(0-5)~~, B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yasha Mota Agent of GPL Development LLC Title: Field

Signature: Date and Time: 9/10/2021 0808

TRANSPORTER

Company: J.C. Transport Phone Number:

Address: Truck # and License Plate: #48 AW643W

Driver: Cesar Soto SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/10/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602170

	Date	Time	Scale
In:	09/10/2021	10:44:53	Manual
Out:	09/10/2021	10:44:53	Manual

Manifest: 2509378
Vehicle: 03-AX229E
Decal:

	Lbs.	Tns
Gross:	83,540	41.77
Tare:	29,600	14.80
Net:	53,940	26.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509378

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83540
~~H1H2 Owner LLC~~ GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29600
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5), B(0-5)) C(0-5), D(0-5), (E(0-5), F(0-5)), G(0-5), H(0-5), I(5-10), J(0-2), (K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Rafik Mark Dimi or Langan as authorized agent of GPL Developer LLC Title: Engr

Signature: Date and Time: 9/10/2021 0815

TRANSPORTER

Company: JC Transit Phone Number:

Address: Truck # and License Plate: # 57 AX229E

Driver: Antonio SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9/10/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9/10/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/10/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602212

	Date	Time	Scale
In:	09/10/2021	10:56:21	Manual
Out:	09/10/2021	10:56:21	Manual

Manifest: 2509376
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	85,220	42.61
Tare:	29,360	14.68
Net:	55,860	27.93

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509376

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85220
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29360
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55860

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mirkin Dir of Logistics as Authorized Agent of GPL Develop LLC Title: Field

Signature: _____ Date and Time: 830 9/10/2021

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: _____ Truck # and License Plate: AX-227E #55

Driver: Tomas Conchimbo SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tom Date and Time: 9-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tom Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/10/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602803

	Date	Time	Scale
In:	09/10/2021	15:17:24	Manual
Out:	09/10/2021	15:17:24	Manual

Manifest: 2509373
Vehicle: 03-AW727N
Decal:

	Lbs.	Tns
Gross:	85,560	42.78
Tare:	30,040	15.02
Net:	55,520	27.76

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509373

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85560
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	30040
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/10/2021 1244

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #46 AW727N

Driver: Robinson SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/10/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602833

	Date	Time	Scale
In:	09/10/2021	15:34:17	BETH
Out:	09/10/2021	15:34:17	BETH

Manifest: 2509375
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	86,940	43.47
Tare:	29,640	14.82
Net:	57,300	28.65

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509375

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner~~ LLC GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	86940
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29640
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mark Diaz of Lenox as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/10/2021 1244

TRANSPORTER

Company: IC TRANSPORT. Phone Number: #45

Address: Truck # and License Plate: AW 726 N-NJ

Driver: CALERO SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: CALERO Date and Time: 9-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: CALERO Date and Time: 9-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/10/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602881

	Date	Time	Scale
In:	09/10/2021	16:07:09	Manual
Out:	09/10/2021	16:07:09	Manual

Manifest: 2509374
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	85,520	42.76
Tare:	29,500	14.75
Net:	56,020	28.01

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: abef 0-5 k 0-2

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509374

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	85520
	TARE WEIGHT: ☒ Tons ☐ Yards	29500
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mata Diaz of Langan as authorized agents of GPL Development LLC

Title: Field

Signature: [signature]

Date and Time: 9/10/2021

TRANSPORTER

Company: J.C. Transport

Phone Number:

Address:

Truck # and License Plate: #48 AW643W

Driver: Cesar Soto (Type or Print Clearly)

SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 9-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 9-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 9/10/21

Revised 1/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2602272

	Date	Time	Scale
In:	09/13/2021	09:22:43	Manual
Out:	09/13/2021	09:22:43	Manual

Manifest: 2509372
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	90,460	45.23
Tare:	28,420	14.21
Net:	62,040	31.02

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509372

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	90460
~~HIH2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28420
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	62040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps: A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yeshia Matthews of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 07 24

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #8 AW 770P

Driver: Orelis SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-13-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-13-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21 924

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2603560

	Date	Time	Scale
In:	09/13/2021	09:57:07	BETH
Out:	09/13/2021	09:57:07	BETH

Manifest: 2509371
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	86,580	43.29
Tare:	28,180	14.09
Net:	58,400	29.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A(0-5),B(0-5),E(0-5),F(0-5),G(0-5),H(0-5),I(0-5),K(0-5)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509371

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	86580
	TARE WEIGHT: ☒ Tons ☐ Yards	28180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mota Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 0743

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Truck # and License Plate: AW285R #5

Driver: José Barzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-13-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-13-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21 0955

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2603598

	Date	Time	Scale
In:	09/13/2021	10:09:55	Manual
Out:	09/13/2021	10:09:55	Manual

Manifest: 2509370
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	82,760	41.38
Tare:	27,980	13.99
Net:	54,780	27.39

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509370

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	82.60
~~H1112 Owner LLC~~ GPL Developer LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	27.80
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54.80

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5), B(0-5)) C(0-5), D(0-5), (E(0-5), F(0-5), G(0-5), H(0-5)), (I(5-10)), J(0-2), (K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yishai Moh Weiss or Lanzer as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time:

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-13-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21 1007

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2603963

	Date	Time	Scale
In:	09/13/2021	12:49:39	Manual
Out:	09/13/2021	12:49:39	Manual

Manifest: 2509369
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	91,380	45.69
Tare:	28,560	14.28
Net:	62,820	31.41

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509369

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
H1H2 Owner LLC GPL Development LLC	☒ Tons ☐ Yards	91330
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	23510
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	(2820)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mata Diaz or Langan as agent/hired agent of GPL Dev Corp LLC Title: Field

Signature: Date and Time: 9/13/2021 09:10

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #6 AW614K

Driver: Juan SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X Date and Time: X

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/13/21 12:48

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604307

	Date	Time	Scale
In:	09/13/2021	15:03:24	BETH
Out:	09/13/2021	15:03:24	BETH

Manifest: 2509368
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	87,840	43.92
Tare:	28,420	14.21
Net:	59,420	29.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A,B,D,E,F,G,H,I,K(0-5)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509368

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	87840
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	59420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mokhtarzada Director of Design and Planning GPL Development LLC Title: Engineer

Signature: Date and Time: 9/13/2021 1241

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: 178 AW 770P

Driver: Carlos (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-13-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-13-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/13/21 1501

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604319

	Date	Time	Scale
In:	09/13/2021	15:09:57	BETH
Out:	09/13/2021	15:09:57	BETH

Manifest: 2509366
Vehicle: 03-AW790S
Decal:

	Lbs.	Tns
Gross:	91,540	45.77
Tare:	27,860	13.93
Net:	63,680	31.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A,B,E,F,G,H(0-5), I(5-10), K(0-2)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509366

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	91540
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27860
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	63680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar Mike Bivi of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 1251

TRANSPORTER

Company: pipostrucking Phone Number: #21

Address: Truck # and License Plate:

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: AW7905 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/13/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21 ~~[illegible]~~ 1508

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604324

	Date	Time	Scale
In:	09/13/2021	15:13:57	BETH
Out:	09/13/2021	15:13:57	BETH

Manifest: 2509367
Vehicle: 03-AX310G
Decal:

	Lbs.	Tns
Gross:	85,940	42.97
Tare:	28,920	14.46
Net:	57,020	28.51

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A,B,E,F,G,H(0-5) I(5-10), K(0-2)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509367

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85940
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28920
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mata Dian de Langa as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 12 47

TRANSPORTER

Company: CRUZ CONTROL Phone Number:

Address: SPARTA, NJ Truck # and License Plate: #2812 / AX 310 G

Driver: ROGER SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/13/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21 1511

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604335

	Date	Time	Scale
In:	09/13/2021	15:18:50	Manual
Out:	09/13/2021	15:18:50	Manual

Manifest: 2509365
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	87,560	43.78
Tare:	28,180	14.09
Net:	59,380	29.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509365

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Developer LLC	☒ Tons ☐ Yards	87560
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	33180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	54380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Hayim Mata Dilz as authorized agent of GPL Developer LLC Title: Fell

Signature: _____ Date and Time: 9/13/2021 1301

TRANSPORTER

Company: Mesa Trucking Phone Number: _____

Address: _____ Truck # and License Plate: AW285R #5

Driver: Jose' Barcalto SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9.13.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9.13.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/13/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604350

	Date	Time	Scale
In:	09/13/2021	15:31:25	Manual
Out:	09/13/2021	15:31:25	Manual

Manifest: 2509363
Vehicle: 03-AS599X
Decal:

	Lbs.	Tns
Gross:	83,660	41.83
Tare:	27,980	13.99
Net:	55,680	27.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509363

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83660
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55680

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mute Diaz of Lamego as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 13 12

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: #7-A5599X

Driver: Ariel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-13-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604352

	Date	Time	Scale
In:	09/13/2021	15:33:55	Manual
Out:	09/13/2021	15:33:55	Manual

Manifest: 2509364
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	86,280	43.14
Tare:	28,340	14.17
Net:	57,940	28.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509364

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ & GPL Developer LLC	☒ Tons ☐ Yards	86280
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28340
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	57940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every ~~Manifest~~

Comps (A(0-5), B(0-5),) C(0-5), D(0-5), (E(0-5), F(0-5), G(0-5), H(0-5), I(5-10),) J(0-2), (K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kathleen Marie Diaz of Langan as Authorized Agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 9/13/2021 1305

TRANSPORTER

Company: Mesa Trucking Phone Number: _____

Address: _____ Truck # and License Plate: #3 AV714R

Driver: Christopher Prado SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/13/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/13/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604363

	Date	Time	Scale
In:	09/13/2021	15:42:46	Manual
Out:	09/13/2021	15:42:46	Manual

Manifest: 2509361
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	76,840	38.42
Tare:	28,540	14.27
Net:	48,300	24.15

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509361

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	76840
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28540
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Moh Din of Langan was authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 1325

TRANSPORTER

Company: Joel Trucking Phone Number: 201 699 6434

Address: Secaucus NJ. Truck # and License Plate: #5 AU260R

Driver: [signature] SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/13/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604373

	Date	Time	Scale
In:	09/13/2021	15:46:46	BETH
Out:	09/13/2021	15:46:46	BETH

Manifest: 2509362
Vehicle: 03-AU302A
Decal:

	Lbs.	Tns
Gross:	83,720	41.86
Tare:	28,220	14.11
Net:	55,500	27.75

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth™

Manifest # 2509362

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developers LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85720
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28220
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Math Dir of Langan as authored agent of GPL Developers LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 1316

TRANSPORTER

Company: Joel Truck Phone Number:

Address: Truck # and License Plate: AU302A #4

Driver: Aviel Gamez (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Aviel Gamez [signature] Date and Time: 9/13/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604379

	Date	Time	Scale
In:	09/13/2021	15:52:29	Manual
Out:	09/13/2021	15:52:29	Manual

Manifest: 2509360
Vehicle: 03-AU764V
Decal:

	Lbs.	Tns
Gross:	80,060	40.03
Tare:	28,980	14.49
Net:	51,080	25.54

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CleanEarth

Manifest # 2509360

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80060
H1H2 Owner LLC GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28980
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Ali Livoc Lanyon as afted agent of GPL Develop LLC Title: Field

Signature: Date and Time: 9/13/2021 1328

TRANSPORTER

Company: Hyon contractors LLC Phone Number:

Address: Truck # and License Plate: AU764V #1

Driver: SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/13/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2604411

	Date	Time	Scale
In:	09/13/2021	16:30:52	Manual
Out:	09/13/2021	16:30:52	Manual

Manifest: 2509359
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	83,760	41.88
Tare:	26,180	13.09
Net:	57,580	28.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509359

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmet LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83760
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	26180
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashu Mark Dias of Langan as authorized agent of GPL Developmet LLC Title: Field

Signature: [signature] Date and Time: 9/13/2021 1424

TRANSPORTER

Company: MESA TRUCK Phone Number:

Address: Truck # and License Plate: ASYZOW

Driver: MAIKEL SW Haulers Permit #: #01

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/13/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2604260

	Date	Time	Scale
In:	09/14/2021	08:58:13	Manual
Out:	09/14/2021	08:58:13	Manual

Manifest: 2391345
Vehicle: 07LOGI3
Decal:

	Lbs.	Tns
Gross:	81,240	40.62
Tare:	26,220	13.11
Net:	55,020	27.51

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391345

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21307237

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	81,240
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5) COMP I (5-7)
COMP A (0-5) COMP K (0-2) COMP A (5-7)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yisroel Mordechai Lichtman as authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 9/14/2021 0715

TRANSPORTER

Company: Excell Phone Number: _____

Address: 470 Mills Ave Truck # and License Plate: AW6501 #3

Driver: Mike Ehrlich SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/14/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/14/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/14/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2604692

	Date	Time	Scale
In:	09/14/2021	08:59:16	Manual
Out:	09/14/2021	08:59:16	Manual

Manifest: 2391346
Vehicle: 07LOGI19
Decal:

	Lbs.	Tns
Gross:	80,220	40.11
Tare:	27,880	13.94
Net:	52,340	26.17

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391346

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21307 73 77

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	80,220
GPL Developer LLC 35 Commercial Street Brooklyn NY 1122	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7500	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5)
COMP E (5-10) COMP A (0-5) COMP K (0-2) COMP A (5-7)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoseph Mots Direct of Energy US Authorized agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 9/14/2021

TRANSPORTER

Company: LOGITECH T Phone Number: 2017368005

Address: 470 HILLSIDE NJ. Truck # and License Plate: AV195L #19

Driver: TITO BARRIONA SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito V Barriona Date and Time: 9-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito V Barriona Date and Time: 9-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/14/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2604695

	Date	Time	Scale
In:	09/14/2021	09:00:04	Manual
Out:	09/14/2021	09:00:04	Manual

Manifest: 2391347
Vehicle: 07LOGI31
Decal:

	Lbs.	Tns
Gross:	82,340	41.17
Tare:	29,220	14.61
Net:	53,120	26.56

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391347

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	82,340
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2), COMP C (0-5) COMP B (0-5) COMP D (0-5) COMP I (5-10)
COMP A (0-5), COMP K (0-2) COMP A (5-7)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashe Motu Dios of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/14/2021 0728

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 HILLSIDE AVE Truck # and License Plate: #31 AV8019 NJ

Driver: TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO D Date and Time: 9-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO D Date and Time: 9-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/14/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2604702

	Date	Time	Scale
In:	09/14/2021	09:08:56	CEC
Out:	09/14/2021	09:08:56	CEC

Manifest: 2391348
Vehicle: 07LOGI34
Decal:

	Lbs.	Tns
Gross:	80,440	40.22
Tare:	27,360	13.68
Net:	53,080	26.54

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391348

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5)
COMP I (5-10) COMP A (0-5) COMP K (0-2) (COMP A 5-7)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mota Dim of Hanger as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/14/2021 0732

TRANSPORTER

Company: LogiTech Transport LLC Phone Number:

Address: P.O. BOX 787 Hillside NJ Truck # and License Plate: AU115T-#34

Driver: Manuel (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 09-14-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 09-14-2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/14/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2605207

	Date	Time	Scale
In:	09/14/2021	13:12:00	CEC
Out:	09/14/2021	13:12:00	CEC

	Lbs.	Tns
Gross:	80,560	40.28
Tare:	29,220	14.61
Net:	51,340	25.67

Manifest: 2391349
Vehicle: 07LOGI31
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391349

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21307 23 77

Please Check One:

- ☑ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5) COMP I (5-10)
COMP A (0-5) COMP H (0-2) COMP A (5-7) COMP B (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshia Rosh Rui of Long Island Natural agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 9/14/2021 1134

TRANSPORTER

Company: LOGITECH TRANS Phone Number: _____

Address: 270 HILLSIDE AVE Truck # and License Plate: #31 AU8074 NJ

Driver: TRILO D SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TRILO D Date and Time: 9-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TRILO D Date and Time: 9-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/14/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2605215

	Date	Time	Scale
In:	09/14/2021	13:15:18	CEC
Out:	09/14/2021	13:15:18	CEC

Manifest: 2391351
Vehicle: 07LOGI19
Decal:

	Lbs.	Tns
Gross:	84,980	42.49
Tare:	27,880	13.94
Net:	57,100	28.55

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391351

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developer LLC		
35 Commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5) COMP I (5-10)
COMP A (0-5), COMP K (0-2), COMP A (5-7), COMP B (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaqub Mirza Director of Langan US Authorized agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 9/14/ 2021

TRANSPORTER

Company: LOGITECH T Phone Number: 201-736 8005

Address: HILLSIDE NJ. Truck # and License Plate: AU195L. NJ #19

Driver: TITO BARAHONA SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito V Barahona Date and Time: 9-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito V Barahona Date and Time: 9-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/14/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2605237

	Date	Time	Scale
In:	09/14/2021	13:22:07	CEC
Out:	09/14/2021	13:22:07	CEC

Manifest: 2391350
Vehicle: 07LOGI3
Decal:

	Lbs.	Tns
Gross:	83,900	41.95
Tare:	26,220	13.11
Net:	57,680	28.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391350

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7590	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (0-2) COMP C (0-5) COMP B (0-5) COMP D (0-5) COMP I (5-10) COMP A (0-5), COMP K (0-2) COMP A (5-7), COMP B (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Nash for OC Manager as above agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/14/2021 1140

TRANSPORTER

Company: LOGITECH Phone Number: _____

Address: 479 HILLSIDE AV NJ Truck # and License Plate: AW-6901 #03

Driver: Luis Espin SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/14/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/14/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/14/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2606190

	Date	Time	Scale
In:	09/16/2021	09:40:55	Manual
Out:	09/16/2021	09:40:55	Manual

Manifest: 2509357
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	80,540	40.27
Tare:	29,360	14.68
Net:	51,180	25.59

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: G H 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509357

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80540
~~H1H2 Owner LLC~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29360
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mele Director Langan as Authorized agent of GPL Developer LLC Title: Field

Signature: Date and Time: 9/16/2021 0729

TRANSPORTER

Company: JC Transport Phone Number:

Address: NJ Truck # and License Plate: AX226E

Driver: Edgar SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/16/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607173

	Date	Time	Scale
In:	09/16/2021	09:48:01	Manual
Out:	09/16/2021	09:48:01	Manual

Manifest: 2509356
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	74,680	37.34
Tare:	29,640	14.82
Net:	45,040	22.52

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: G H 0-5

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509356

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	74680
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29640
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	45040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mata Dive of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 0735

TRANSPORTER

Company: JC TRANSPORT Phone Number: #45

Address: Truck # and License Plate: AEW 726 N-NJ

Driver: CALERO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: CALERO Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: CALERO Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607181

	Date	Time	Scale
In:	09/16/2021	09:55:30	Manual
Out:	09/16/2021	09:55:30	Manual

Manifest: 259358
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	82,500	41.25
Tare:	29,360	14.68
Net:	53,140	26.57

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509358

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developmen LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82500
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53140

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mutan Diaz of Langan as authorized agent of GPL Developmen LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 0723

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21 9:54

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607213

	Date	Time	Scale
In:	09/16/2021	10:09:48	Manual
Out:	09/16/2021	10:09:48	Manual

Manifest: 2509355
Vehicle: 03-AW968N
Decal:

	Lbs.	Tns
Gross:	77,520	38.76
Tare:	27,580	13.79
Net:	49,940	24.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JID transport
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509355

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	77.52
~~H1H2 Owner LLC~~ GPL Developer LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	27.80
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49.940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5),) B(0-5), (C(0-5),) D(0-5), E(0-5), F(0-5), (G(0-5), H(0-5), I(5-10),) J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mate Diaz for Langan as authorized agent of GPL Developer LLC Title: Field

Signature: Date and Time: 9/16/2021 07~~48~~44

TRANSPORTER

Company: J.I.D Transport Phone Number:

Address: Truck # and License Plate: #01 AW968W

Driver: Christian Salas SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/16/21 10:08

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607246

	Date	Time	Scale
In:	09/16/2021	10:25:43	Manual
Out:	09/16/2021	10:25:43	Manual

Manifest: 2509354
Vehicle: 03-AW132B
Decal:

	Lbs.	Tns
Gross:	82,780	41.39
Tare:	29,740	14.87
Net:	53,040	26.52

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2509354

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Developer LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	82780
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29740
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	53040

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yesdara Mota Plaza of Langan as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 0747

TRANSPORTER

Company: C.F. Bros Phone Number:

Address: Truck # and License Plate: 14 AW-132B

Driver: Jose A SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21 0:24

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607315

	Date	Time	Scale
In:	09/16/2021	10:49:13	Manual
Out:	09/16/2021	10:49:13	Manual

Manifest: 2509353
Vehicle: 03-AT835D
Decal:

	Lbs.	Tns
Gross:	81,280	40.64
Tare:	28,460	14.23
Net:	52,820	26.41

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2509353

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
~~H1H2 Owner LLC~~ GPL Development LLC		81230
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	2340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52820

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiya Mok Dinz or Longan CS authorized agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 9/16/2021 07:56

TRANSPORTER

Company: CF Brothers Phone Number:

Address: Bound Brook, NJ Truck # and License Plate: #08 / AT835D

Driver: Dave (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/16/21 8:10 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/16/21 10:50 AM

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/16/21 D'48

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607688

	Date	Time	Scale
In:	09/16/2021	13:38:38	Manual
Out:	09/16/2021	13:38:38	Manual

Manifest: 2509351
Vehicle: 03-AS420W
Decal:

	Lbs.	Tns
Gross:	90,380	45.19
Tare:	26,180	13.09
Net:	64,200	32.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth

Manifest # 2509351

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~H1H2 Owner LLC~~ GPL Development LLC	☒ Tons ☐ Yards	90380
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	26180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	64200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yeshim note Abz or Lenyn as Authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11 25 9/19/21

TRANSPORTER

Company: MESA TRUCK Phone Number:

Address: Truck # and License Plate: A S420 W

Driver: MAIKEL SW Haulers Permit #: #01

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/19/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607730

	Date	Time	Scale
In:	09/16/2021	13:59:15	Manual
Out:	09/16/2021	13:59:15	Manual

Manifest: 2343718
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	79,340	39.67
Tare:	29,360	14.68
Net:	49,980	24.99

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343718

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	79340
	TARE WEIGHT: ☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mike Diaz of Langan as authorized agent of GPL Developmnt Title: Field

Signature: [signature] Date and Time: 9/16/2021 1147

TRANSPORTER

Company: JC transport Phone Number:

Address: NJ Truck # and License Plate: AX226E

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/16/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/16/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607768

	Date	Time	Scale
In:	09/16/2021	14:14:34	Manual
Out:	09/16/2021	14:14:34	Manual

Manifest: 2343719
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	82,240	41.12
Tare:	29,360	14.68
Net:	52,880	26.44

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343719

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	82240
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kashon Mott Dirt of Logs as Hotmail agent of GPL Development LLC Title: Field

Signature: Date and Time: 9/16/2021 1202

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tomas Cordero SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tomas Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/16/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607789

	Date	Time	Scale
In:	09/16/2021	14:19:23	Manual
Out:	09/16/2021	14:19:23	Manual

Manifest: 2509352
Vehicle: 03-AW777M
Decal:

	Lbs.	Tns
Gross:	77,840	38.92
Tare:	29,400	14.70
Net:	48,440	24.22

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509352

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	77840
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29400
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48440

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua [illegible] Dept of Engineering as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 10 35

TRANSPORTER

Company: C.F Brothers #15 Phone Number:

Address: Truck # and License Plate: 15 - AW777M

Driver: Jorge (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607794

	Date	Time	Scale
In:	09/16/2021	14:21:42	Manual
Out:	09/16/2021	14:21:42	Manual

Manifest: 2509350
Vehicle: 03-AS574P
Decal:

	Lbs.	Tns
Gross:	81,240	40.62
Tare:	28,880	14.44
Net:	52,360	26.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CleanEarth™

Manifest # 2509350

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~H1H2 Owner LLC~~ GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	81240
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28880
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Motor Pine of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 1040

TRANSPORTER

Company: CF Brothers Phone Number:

Address: Truck # and License Plate: #11 AS574P

Driver: Cristian Guaman SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607833

	Date	Time	Scale
In:	09/16/2021	14:42:06	Manual
Out:	09/16/2021	14:42:06	Manual

Manifest: 2343720
Vehicle: 03-AW968N
Decal:

	Lbs.	Tns
Gross:	83,940	41.97
Tare:	27,580	13.79
Net:	56,360	28.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343720

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
GPL Development LLC	☒ Tons ☐ Yards	83940
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	77580
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	56360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5)), B(0-5), (C(0-5)), D(0-5), E(0-5), F(0-5), (G(0-5)), H(0-5), (I(5-10)), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent of GPL Development LLC Title: Field

Signature: Date and Time: 9/16/2021 1229

TRANSPORTER

Company: J.J.D transport Phone Number:

Address: Truck # and License Plate: #01 AW968W

Driver: Christian Salud SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2607888

	Date	Time	Scale
In:	09/16/2021	15:03:29	Manual
Out:	09/16/2021	15:03:29	Manual

Manifest: 2343717
Vehicle: 03-AW726N
Decal:

	Lbs.	Tns
Gross:	74,120	37.06
Tare:	29,640	14.82
Net:	44,480	22.24

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343717

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	74120
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29640
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44480

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Pasquale Matrisciano of Lenox Development Agent for GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/16/2021 1157

TRANSPORTER

Company: JC TRANSPORT Phone Number: #45

Address: Truck # and License Plate: AW426 NJ-NJ

Driver: CALERO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: CALERO Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: CALERO Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/16/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2608356

	Date	Time	Scale
In:	09/17/2021	13:39:38	Manual
Out:	09/17/2021	13:39:38	Manual

Manifest: 2343722
Vehicle: 03-AX226E
Decal:

	Lbs.	Tns
Gross:	81,320	40.66
Tare:	29,360	14.68
Net:	51,960	25.98

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343722

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	21320
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29360
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	51960
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

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Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/17 11:34am

TRANSPORTER

Company: SC transport Phone Number:

Address: NJ Truck # and License Plate: AX226E

Driver: [signature] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/17/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/17/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/17 1:38

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2608989

	Date	Time	Scale
In:	09/17/2021	14:51:26	Manual
Out:	09/17/2021	14:51:26	Manual

Manifest: 2343721
Vehicle: 03-AU843R
Decal:

	Lbs.	Tns
Gross:	80,140	40.07
Tare:	27,620	13.81
Net:	52,520	26.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: A,C,G,H(0-5) I(5-10)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CLEANEARTH

Manifest # 2343721

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other ~~CE Bethlehem~~
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80140
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	27620
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: employed or GPL Development LLC Title: Field

Signature: Date and Time: 9/16/2021 13 17

TRANSPORTER

Company: JJD #5 Phone Number:

Address: Truck # and License Plate: AV8431R.

Driver: (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-16-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-16-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/17/21 1479

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2609732

	Date	Time	Scale
In:	09/21/2021	14:18:21	Manual
Out:	09/21/2021	14:18:21	Manual

Manifest: 2343723
Vehicle: 03-AW770P
Decal:

	Lbs.	Tns
Gross:	81,340	40.67
Tare:	28,420	14.21
Net:	52,920	26.46

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343723

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	81340
	TARE WEIGHT: ☒ Tons ☐ Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52920

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mohn Brian of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/21/2021 1123

TRANSPORTER

Company: Joel Phone Number:

Address: Truck # and License Plate: AW770P #8

Driver: Orelsri (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-21-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-21-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/21 2:17

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2611583

	Date	Time	Scale
In:	09/21/2021	14:32:25	Manual
Out:	09/21/2021	14:32:25	Manual

Manifest: 2343724
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	76,860	38.43
Tare:	28,340	14.17
Net:	48,520	24.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343724

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	76840
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	27340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps: A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mell Duly Of Laing as Autom agent of GPL Developme LLC Title: Fidd

Signature: _____ Date and Time: 9/21/2021 1137

TRANSPORTER

Company: Mesa trucking Phone Number: —

Address: — Truck # and License Plate: # 3 AU714R

Driver: Christopher Prado SW Haulers Permit #: —

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/21/21 11:37

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X _____ Date and Time: X 9/21/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ ~~Date and Time:~~ 9/21/21 2:31

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2611602

	Date	Time	Scale
In:	09/21/2021	14:39:31	Manual
Out:	09/21/2021	14:39:31	Manual

Manifest: 2343727
Vehicle: 03-AW858W
Decal:

	Lbs.	Tns
Gross:	76,940	38.47
Tare:	28,740	14.37
Net:	48,200	24.10

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343727

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	76940
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28740
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comp: A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/21/21

TRANSPORTER

Company: ANDRADES Phone Number:

Address: NEWARK Truck # and License Plate: #L AW 558 W

Driver: H. Coronel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/21/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: X

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/21/21 2:38

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2611653

	Date	Time	Scale
In:	09/21/2021	15:17:12	Manual
Out:	09/21/2021	15:17:12	Manual

Manifest: 2343729
Vehicle: 03-AS341S
Decal:

	Lbs.	Tns
Gross:	80,220	40.11
Tare:	28,980	14.49
Net:	51,240	25.62

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343729

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		9220
35 Commercial Street	TARE WEIGHT: ☒Tons ☐Yards	3980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒Tons ☐Yards	5240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/21/21 12:46

TRANSPORTER

Company: Andrades Phone Number:

Address: Truck # and License Plate: 7 AS3415

Driver: Henry SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-21-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-21-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] ~~Date and Time:~~ 9/21/21 3:15

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2611686

	Date	Time	Scale
In:	09/21/2021	15:33:13	Manual
Out:	09/21/2021	15:33:13	Manual

Manifest: 2343726
Vehicle: 03-AW614K
Decal:

	Lbs.	Tns
Gross:	84,520	42.26
Tare:	28,560	14.28
Net:	55,960	27.98

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343726

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	84520
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28560
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55960

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps (A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/21/21 11:41

TRANSPORTER

Company: Joel Trucking Phone Number:

Address: Truck # and License Plate: #6 AW614L

Driver: Juan SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/21/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/2/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time:

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2611762

	Date	Time	Scale
In:	09/21/2021	16:21:49	Manual
Out:	09/21/2021	16:21:49	Manual

Manifest: 2343725
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	77,920	38.96
Tare:	28,540	14.27
Net:	49,380	24.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343725

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	77920
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28540
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/21/21 12:34

TRANSPORTER

Company: Joel Trucking Phone Number: 201 695 6434

Address: Secaucus NJ Truck # and License Plate: #5 AU260R

Driver: Yoa SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/21/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/21/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2612798

	Date	Time	Scale
In:	09/23/2021	13:30:49	Manual
Out:	09/23/2021	13:30:49	Manual

Manifest: 2343730
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	74,700	37.35
Tare:	28,900	14.45
Net:	45,800	22.90

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343730

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
GPL Development LLC	☒ Tons ☐ Yards	74700
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28900
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	45800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasko [illegible] of Langus as Author agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/23/2021 1114

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #36 AU316D

Driver: Adolfo Carmul SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adolfo Date and Time: 9/23/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adolfo Date and Time: 9/23/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/23/21 1:29

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613648

	Date	Time	Scale
In:	09/23/2021	13:44:42	Manual
Out:	09/23/2021	13:44:42	Manual

Manifest: 2343731
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	76,140	38.07
Tare:	29,660	14.83
Net:	46,480	23.24

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343731

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
GPL Development LLC	☒ Tons ☐ Yards	76140
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29660
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	46480

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mel Din of Langer as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/23/2021 1128

TRANSPORTER

Company: JC transport Phone Number:

Address: Truck # and License Plate: AW 728 N 47

Driver: Andre Lara (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Andre Lara Date and Time: 09/23/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/23/21 1:43

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613682

	Date	Time	Scale
In:	09/23/2021	14:05:45	Manual
Out:	09/23/2021	14:05:45	Manual

Manifest: 2343732
Vehicle: 03-AU605U
Decal:

	Lbs.	Tns
Gross:	82,300	41.15
Tare:	29,700	14.85
Net:	52,600	26.30

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343732

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	82300
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29700
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52600

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Mark Dist of Langa as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/23/2021 1143

TRANSPORTER

Company: JC. #39 Phone Number:

Address: Truck # and License Plate: AU-605U

Driver: Jose Venturo (Type or Print Clearly) SW Haulers Permit #: 39 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Venturo Date and Time: 9/23/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Venturo Date and Time: 9/23/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/23/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613709

	Date	Time	Scale
In:	09/23/2021	14:20:21	Manual
Out:	09/23/2021	14:20:21	Manual

Manifest: 2343734
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	78,420	39.21
Tare:	29,400	14.70
Net:	49,020	24.51

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343734

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	78920
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29700
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yusef a Mem Jr. of GPL Development LLC Title: Field

Signature: Date and Time: 9/23/2021 1158

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778V

Driver: JOE Cabrera SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 4.23.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/23/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613749

	Date	Time	Scale
In:	09/23/2021	14:32:39	Manual
Out:	09/23/2021	14:32:39	Manual

Manifest: 2343733
Vehicle: 03-AW645W
Decal:

	Lbs.	Tns
Gross:	81,200	40.60
Tare:	29,220	14.61
Net:	51,980	25.99

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343733

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	81200
	TARE WEIGHT: ☒ Tons ☐ Yards	29220
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kohen Mate Dist of Lang as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/23/2021 1150

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AW645W.

Driver: Fabian P SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-23-2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X [signature] Date and Time: X 9-23-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/23/21 232

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613773

	Date	Time	Scale
In:	09/23/2021	14:42:52	BETH
Out:	09/23/2021	14:42:52	BETH

Manifest: 2343735
Vehicle: 03-AT384Y
Decal:

	Lbs.	Tns
Gross:	77,400	38.70
Tare:	29,000	14.50
Net:	48,400	24.20

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343735

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	77400
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29000
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48400

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Heather Mora Main Engineer as agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/23/2021 1200

TRANSPORTER

Company: JC Phone Number:

Address: 43 PORETE AV NJ Truck # and License Plate: #35 AT3844

Driver: IVAN LEON SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/23/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/23/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/23/21 2:42

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613739

	Date	Time	Scale
In:	09/24/2021	09:21:24	Manual
Out:	09/24/2021	09:21:24	Manual

Manifest: 2343738
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	81,720	40.86
Tare:	28,140	14.07
Net:	53,580	26.79

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343738

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒Tons ☐Yards	81720
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒Tons ☐Yards	28140
GENERATOR'S PHONE: ~~212-355-7570~~	NET WEIGHT: ☒Tons ☐Yards	53580

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/24/21

TRANSPORTER

Company: DC Tech Phone Number:

Address: 470 Hillside Pk Truck # and License Plate: AW-6906 #03

Driver: Luis Espin SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/24/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/24/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/24/21 9:20

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2614314

	Date	Time	Scale
In:	09/24/2021	09:53:57	Manual
Out:	09/24/2021	09:53:57	Manual

Manifest: 2343736
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	81,360	40.68
Tare:	28,520	14.26
Net:	52,840	26.42

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343736

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2130311044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
GPL Development LLC	☒ Tons ☐ Yards	81360
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28520
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	52840

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: Caroline Devin Date and Time: 9/24/21 7:15

TRANSPORTER

Company: LOGITEMI T Phone Number: 201-736-8005

Address: HILLSIDE AVE Truck # and License Plate: AV495L NJ #19

Driver: TITO BARAHONA SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito Barahona Date and Time: 9.24.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito Barahona Date and Time: 9-24-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/24/21 9:53

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2614325

	Date	Time	Scale
In:	09/24/2021	09:59:16	Manual
Out:	09/24/2021	09:59:16	Manual

Manifest: 2343737
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	79,620	39.81
Tare:	28,200	14.10
Net:	51,420	25.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343737

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	79620
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28200
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Caroline Devin of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/24/21 7:19

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 HILLSIDE AVE Truck # and License Plate: #31 AU8079 NJ

Driver: TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X TELLO D Date and Time: 9-24-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X TELLO D Date and Time: 9-24-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/24/21 9:58

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613741

	Date	Time	Scale
In:	09/27/2021	09:11:15	Manual
Out:	09/27/2021	09:11:15	Manual

Manifest: 2343740
Vehicle: 03-AT778U
Decal:

	Lbs.	Tns
Gross:	69,280	34.64
Tare:	29,400	14.70
Net:	39,880	19.94

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343740

GLOBAL JOB NUMBER: 10005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒Tons ☐Yards	
GPL Development LLC		69280
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒Tons ☐Yards	29400
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒Tons ☐Yards	39880

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: my authorized agent of Langan GPL CQ Rep Title: Field

Signature: Date and Time: 4/27/2021 0721

TRANSPORTER

Company: JG TRANSPORT Phone Number:

Address: Truck # and License Plate: #30 AT778U

Driver: Jose Cabrera SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 4-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/27/21 9:10

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2615765

	Date	Time	Scale
In:	09/27/2021	09:51:38	BETH
Out:	09/27/2021	09:51:38	BETH

Manifest: 2343739
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	80,280	40.14
Tare:	28,900	14.45
Net:	51,380	25.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343739

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
GPL Development LLC		50280
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	23900
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Agent of GPL Development LLC Title: Eng

Signature: Date and Time: 9/27/2021 0730

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #36 AU316D

Driver: Adolfo Bonilla SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adolfo Date and Time: 9/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adolfo Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/27/21 9:50

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2615791

	Date	Time	Scale
In:	09/27/2021	10:01:11	Manual
Out:	09/27/2021	10:01:11	Manual

Manifest: 2343741
Vehicle: 03-AW544B
Decal:

	Lbs.	Tns
Gross:	72,980	36.49
Tare:	29,600	14.80
Net:	43,380	21.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343741

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	72980
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29600
Brooklyn, NY 11222	NET WEIGHT: ☒ Tons ☐ Yards	43380
GENERATOR'S PHONE: 212-355-7570		

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Printed Name Dan Langan as agent of GPL Developm Title: Field

Signature: [signature] Date and Time: 9/27/2021 0744

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: 42 NJ AW544B

Driver: Ambiorx Garcia SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 8-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8-27-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/27/21 10a

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2616242

	Date	Time	Scale
In:	09/27/2021	13:03:20	Manual
Out:	09/27/2021	13:03:20	Manual

Manifest: 2343742
Vehicle: 03-AT384Y
Decal:

	Lbs.	Tns
Gross:	78,860	39.43
Tare:	29,000	14.50
Net:	49,860	24.93

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343742

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	7880
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	2900
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	4980 LBS

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: Yunior made direct QV Lerma the either one year of GPL Develop LLC Title: Field

Signature: _____ Date and Time: 9/27/2021 1038

TRANSPORTER

Company: JC Phone Number:

Address: 93 PORETE AV NJ Truck # and License Plate: #35 AT3844

Driver: IVAN LEON SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/27/21 1.02

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2616266

	Date	Time	Scale
In:	09/27/2021	13:13:46	Manual
Out:	09/27/2021	13:13:46	Manual

Manifest: 2343743
Vehicle: 03-AW728N
Decal:

	Lbs.	Tns
Gross:	73,660	36.83
Tare:	29,660	14.83
Net:	44,000	22.00

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343743

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	73660
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29660
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yuskin Mot Dia or Lunga as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/27/2021 1053

TRANSPORTER

Company: JC transport Phone Number:

Address: Truck # and License Plate: AW 728 N 47

Driver: Andre Lara SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Andre Lara Date and Time: 09/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Andre Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/27/21 1:12

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2616310

	Date	Time	Scale
In:	09/27/2021	13:35:34	BETH
Out:	09/27/2021	13:35:34	BETH

Manifest: 2343744
Vehicle: 03-AT781U
Decal:

	Lbs.	Tns
Gross:	70,280	35.14
Tare:	29,480	14.74
Net:	40,800	20.40

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343744

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	70280
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29480
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	40800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent of GPL Development LLC Title: Field

Signature: Date and Time: 9/27/2021 1056

TRANSPORTER

Company: JC TRANSPORT LLC Phone Number:

Address: N. ARLINGTON. NJ 07031 Truck # and License Plate: 33 - AT 781U

Driver: JULIO BARCELOS (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: JB Date and Time: 9/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: JB Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/27/21 1135

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613742

	Date	Time	Scale
In:	09/28/2021	09:09:41	Manual
Out:	09/28/2021	09:09:41	Manual

Manifest: 2343745
Vehicle: 03-AU605U
Decal:

	Lbs.	Tns
Gross:	78,040	39.02
Tare:	29,700	14.85
Net:	48,340	24.17

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343745

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	78040
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29700
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yerasimos Mavrikis on behalf of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0712

TRANSPORTER

Company: JC. #39 Phone Number:

Address: Truck # and License Plate: AU-605 U

Driver: Jose Ventura SW Haulers Permit #: 39

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Ventura Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Ventura Date and Time: 9/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21 9:08

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617013

	Date	Time	Scale
In:	09/28/2021	09:19:33	BETH
Out:	09/28/2021	09:19:33	BETH

Manifest: 2343746
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	74,100	37.05
Tare:	28,900	14.45
Net:	45,200	22.60

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343746

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	74100
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29100
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	45000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashira Mitchell agent of GPL Developers LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0726

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: #36 AV 3160

Driver: Adiv Bermudez SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adiv Date and Time: 9/28/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adiv Date and Time: 9/29/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21 9:19

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617073

	Date	Time	Scale
In:	09/28/2021	09:37:08	BETH
Out:	09/28/2021	09:37:08	BETH

Manifest: 2343748
Vehicle: 03-AU607U
Decal:

	Lbs.	Tns
Gross:	72,280	36.14
Tare:	29,140	14.57
Net:	43,140	21.57

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343748

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	72230
	TARE WEIGHT: ☒ Tons ☐ Yards	29140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	43140

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasin [illegible] Dan [illegible] Authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0738

TRANSPORTER

Company: [illegible] Phone Number:

Address: Truck # and License Plate: [illegible]

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-28-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: [illegible]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21 9:36

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617082

	Date	Time	Scale
In:	09/28/2021	09:39:35	BETH
Out:	09/28/2021	09:39:35	BETH

Manifest: 2343747
Vehicle: 03-AT384Y
Decal:

	Lbs.	Tns
Gross:	79,480	39.74
Tare:	29,000	14.50
Net:	50,480	25.24

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343747

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	79480
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29000
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50480

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Waste not Dirty of Consigned as a Hauled Load GPL Development LLC Title: Field

Signature: Date and Time: 9/27/2021 07:22

TRANSPORTER

Company: JC Phone Number:

Address: 43 PORETE AV NJ Truck # and License Plate: #35 AT3804

Driver: IVAN LEON (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9/28/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/28/21 9:38

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617512

	Date	Time	Scale
In:	09/28/2021	13:07:13	BETH
Out:	09/28/2021	13:07:13	BETH

Manifest: 2343749
Vehicle: 03-AU605U
Decal:

	Lbs.	Tns
Gross:	79,600	39.80
Tare:	29,700	14.85
Net:	49,900	24.95

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343749

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79600
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29700
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49900

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha Mathew Diaz de Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: Sept 28, 2021 1114

TRANSPORTER

Company: JC. #39 Phone Number:

Address: Truck # and License Plate: AU-605U

Driver: Jose Ventura (Type or Print Clearly) SW Haulers Permit #: 39 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jon Ventura Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jon Ventura Date and Time: 9/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21 1:07

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617545

	Date	Time	Scale
In:	09/28/2021	13:27:14	Manual
Out:	09/28/2021	13:27:14	Manual

Manifest: 2343750
Vehicle: 03-AU316D
Decal:

	Lbs.	Tns
Gross:	78,400	39.20
Tare:	28,900	14.45
Net:	49,500	24.75

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343750

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		
GPL Development LLC	GROSS WEIGHT: ☒Tons ☐Yards	78400
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒Tons ☐Yards	28900
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒Tons ☐Yards	49500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 9/28/2021 1124

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: _____ Truck # and License Plate: #36 AV3160

Driver: Adolfo Bermudez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Adolfo Date and Time: 9/28/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Adolfo Date and Time: 9/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/28/21 1127

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617615

	Date	Time	Scale
In:	09/28/2021	14:12:08	Manual
Out:	09/28/2021	14:12:08	Manual

Manifest: 2343752
Vehicle: 03-AU607U
Decal:

	Lbs.	Tns
Gross:	74,040	37.02
Tare:	29,140	14.57
Net:	44,900	22.45

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343752

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	74040
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	44900

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yushua Roth of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 4/28/21 12:15

TRANSPORTER

Company: JC Phone Number:

Address: [illegible] Truck # and License Plate: H41 [illegible]

Driver: [illegible] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-28-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: [illegible]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21 2:10

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2617621

	Date	Time	Scale
In:	09/28/2021	14:14:04	BETH
Out:	09/28/2021	14:14:04	BETH

Manifest: 2343751
Vehicle: 03-AT384Y
Decal:

	Lbs.	Tns
Gross:	85,240	42.62
Tare:	29,000	14.50
Net:	56,240	28.12

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343751

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85240
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29000
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56240

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/28/21 12:08

TRANSPORTER

Company: JC Phone Number:

Address: 43 PORETE AV NJ Truck # and License Plate: #35 AT 3844

Driver: IVAN LEON (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/28/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21 2:14

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613743

	Date	Time	Scale
In:	09/29/2021	09:38:19	Manual
Out:	09/29/2021	09:38:19	Manual

Manifest: 2343753
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	83,460	41.73
Tare:	28,140	14.07
Net:	55,320	27.66

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343753

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	83460
	TARE WEIGHT: ☒ Tons ☐ Yards	28140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55320

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin [illegible] Dir of Lands as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/29/2021 0713 ~~0709~~ [illegible]

TRANSPORTER

Company: WAITECH Phone Number:

Address: 470 Hillside, NJ 07 Truck # and License Plate: AW-690C #03

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/29/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/29/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2618190

	Date	Time	Scale
In:	09/29/2021	09:48:00	Manual
Out:	09/29/2021	09:48:00	Manual

Manifest: 2343755
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	83,580	41.79
Tare:	28,200	14.10
Net:	55,380	27.69

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343755

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR096-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83580
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28200
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Washington Mills Dive of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/29/2021 0733

TRANSPORTER

Company: LOGTECH TRANS Phone Number:

Address: 470 HILLSIDE AVE Truck # and License Plate: #31 AUBOFT NJ

Driver: TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO D Date and Time: 9-29-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO D Date and Time: 9-29-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2618246

	Date	Time	Scale
In:	09/29/2021	10:08:25	Manual
Out:	09/29/2021	10:08:25	Manual

Manifest:2343754
Vehicle:03-AW546R
Decal:

	Lbs.	Tns
Gross:	84,160	42.08
Tare:	28,020	14.01
Net:	56,140	28.07

Customer:MONADNOCK CONSTRUCTION INC
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:Logitech Transport, LLC
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343754

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	84160
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28020
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	56140

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), (D(0-5)), E(0-5), F(0-5), G(0-5), (H(0-5)), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yushua Mark Diaz of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0725

TRANSPORTER

Company: AVN Phone Number:

Address: 470 Hilliard Av Hillside NJ Truck # and License Plate: #16 AW 546R

Driver: Clarke Parker SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2618921

	Date	Time	Scale
In:	09/29/2021	14:26:40	Manual
Out:	09/29/2021	14:26:40	Manual

Manifest: 2343756
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	83,760	41.88
Tare:	28,140	14.07
Net:	55,620	27.81

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343756

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	83760
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55620

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashu Mota Mu of Langan as Authorized Agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/29/2021 R15

TRANSPORTER

Company: DGITECH Phone Number:

Address: 470 Hillside Truck # and License Plate: AW-6902 H03

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/29/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/29/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2618967

	Date	Time	Scale
In:	09/29/2021	14:42:49	Manual
Out:	09/29/2021	14:42:49	Manual

Manifest: 2343758
Vehicle: 03-AW546R
Decal:

	Lbs.	Tns
Gross:	76,200	38.10
Tare:	28,020	14.01
Net:	48,180	24.09

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: approval 4731

Driver

Facility Clean Earth of Bethlehem

Andrew DeColli

CLEANEARTH

Manifest # 2343758

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	76200
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28020
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48180

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Washaun Pool of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/29/2021 1219

TRANSPORTER

Company: AVN Phone Number:

Address: 470 Hillside Av Hillside NJ Truck # and License Plate: #16 AW 546R

Driver: GLauber Peter G SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2619032

	Date	Time	Scale
In:	09/29/2021	15:09:01	Manual
Out:	09/29/2021	15:09:01	Manual

Manifest: 2343757
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	68,580	34.29
Tare:	28,200	14.10
Net:	40,380	20.19

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343757

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	68580
	TARE WEIGHT: ☒ Tons ☐ Yards	28200
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	40380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasser Mohamed Diaz of Ecuador as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/29/2021 1232

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 HILLSIDE AVE NJ Truck # and License Plate: #31 AUBOZY NJ

Driver: TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO D Date and Time: 09-29-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO D Date and Time: 09-29-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/29/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613744

	Date	Time	Scale
In:	09/30/2021	09:26:56	Manual
Out:	09/30/2021	09:26:56	Manual

Manifest: 2343759
Vehicle: 03-AW976P
Decal:

	Lbs.	Tns
Gross:	75,800	37.90
Tare:	28,300	14.15
Net:	47,500	23.75

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343759

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	75800
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28300
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	47500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasin Mr. [illegible] as authorized agent of GPL Development LLC Title: Feld

Signature: [signature] Date and Time: 9/30/2021 0711

TRANSPORTER

Company: AVN Phone Number:

Address: Truck # and License Plate: 32-AW 976P

Driver: Nelson Jara (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21 927

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2619629

	Date	Time	Scale
In:	09/30/2021	09:47:10	Manual
Out:	09/30/2021	09:47:10	Manual

Manifest: 2343760
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	88,480	44.24
Tare:	28,140	14.07
Net:	60,340	30.17

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343760

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR096-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	88480
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	60340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasha [illegible] GPL Development LLC Title: Recd

Signature: [signature] Date and Time: 9/30/2021 0719

TRANSPORTER

Company: LOGISCH Phone Number:

Address: 470 HILLSIDE AL Truck # and License Plate: AW-6902 #03

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/30/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21 947

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2620188

	Date	Time	Scale
In:	09/30/2021	14:09:46	Manual
Out:	09/30/2021	14:09:46	Manual

Manifest: 2343761
Vehicle: 03-AW976P
Decal:

	Lbs.	Tns
Gross:	82,300	41.15
Tare:	28,300	14.15
Net:	54,000	27.00

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343761

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒Tons ☐Yards	
GPL Development LLC		52300
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒Tons ☐Yards	23300
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒Tons ☐Yards	54000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaakov Horn per or hereby as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 4/30/2021 1138

TRANSPORTER

Company: AVN Phone Number:

Address: Truck # and License Plate: 32-AW976P

Driver: Nelson Jara SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21 2:09

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2620305

	Date	Time	Scale
In:	09/30/2021	15:01:34	Manual
Out:	09/30/2021	15:01:34	Manual

Manifest: 2343762
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	90,120	45.06
Tare:	28,140	14.07
Net:	61,980	30.99

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343762

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☑ Tons ☐ Yards	90120
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☑ Tons ☐ Yards	23140
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☑ Tons ☐ Yards	66980

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: Foreman

Signature: [signature] Date and Time: 9/30/2021 1235

TRANSPORTER

Company: LOGITECH Phone Number:

Address: 470 HILLSIDE BLVD NJ Truck # and License Plate: AW-6901 H03

Driver: [illegible] SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/30/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/30/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21 3pm

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2613745

	Date	Time	Scale
In:	10/04/2021	09:20:34	Manual
Out:	10/04/2021	09:20:34	Manual

Manifest: 2343763
Vehicle: 03-AW285R
Decal:

	Lbs.	Tns
Gross:	85,980	42.99
Tare:	28,180	14.09
Net:	57,800	28.90

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343763

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	85980
	TARE WEIGHT: ☒ Tons ☐ Yards	28180
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57800

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kashim Mota Din of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: Oct 4, 2021 0718

TRANSPORTER

Company: Mesa Truching Phone Number:

Address: Truck # and License Plate: AW 285 R #5

Driver: Jose Barzallo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-4-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-4-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/4/21 9:19

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2622834

	Date	Time	Scale
In:	10/04/2021	14:35:22	Manual
Out:	10/04/2021	14:35:22	Manual

Manifest: 2343764
Vehicle: 03-AU260R
Decal:

	Lbs.	Tns
Gross:	74,840	37.42
Tare:	28,540	14.27
Net:	46,300	23.15

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343764

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	74840
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28540
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	46300

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoeven Mota Dim of Hong is authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 10/4/2021 1210

TRANSPORTER

Company: Joel Trucking Phone Number: 201 655 0434

Address: Secaucus NJ Truck # and License Plate: #5 AUZ60R

Driver: Joel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 10/4/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 10/4/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/4/21 2:34

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2621446

	Date	Time	Scale
In:	10/07/2021	09:40:34	BETH
Out:	10/07/2021	09:40:34	BETH

Manifest: 2343766
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	79,740	39.87
Tare:	28,520	14.26
Net:	51,220	25.61

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343766

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79740
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28520
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51220

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasan [illegible] of Lawson as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/7/2021 0710

TRANSPORTER

Company: LOGITECH T Phone Number: 201-736 8005

Address: HILLSIDE NJ Truck # and License Plate: AU195L NJ #19

Driver: TITO BARAHONA (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10.7.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10.7.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/7/21 9:40

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2625897

	Date	Time	Scale
In:	10/07/2021	09:42:35	Manual
Out:	10/07/2021	09:42:35	Manual

Manifest: 2343765
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	79,620	39.81
Tare:	28,200	14.10
Net:	51,420	25.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343765

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR096-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	79620
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28200
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	51420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashiyan Moti Dilip of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/7/2021 0725

TRANSPORTER

Company: LOGITECH TRANS LLC Phone Number:

Address: 470 HILLSIDE AVE NJ. Truck # and License Plate: #31 AU807Y NJ.

Driver: TELLO DENNIS SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO DENNIS Date and Time: 10-07-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO DENNIS Date and Time: 10-07-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/7/21 942

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2621447

	Date	Time	Scale
In:	10/08/2021	09:49:19	Manual
Out:	10/08/2021	09:49:19	Manual

Manifest: 2343767
Vehicle: 03-AU807Y
Decal:

	Lbs.	Tns
Gross:	80,820	40.41
Tare:	28,200	14.10
Net:	52,620	26.31

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343767

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80810
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28200
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	52610

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2),~~ K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Mota for the duties as author agent of GPL Developm Title: Field

Signature: [signature] Date and Time: 10/8/2021

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 MILLSIDE NJ Truck # and License Plate: #31 AU8074 NJ

Driver: TEDD SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TEDD Date and Time: 10-08-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TEDD Date and Time: 10-08-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/8/21 9:48

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2627014

	Date	Time	Scale
In:	10/08/2021	10:03:53	Manual
Out:	10/08/2021	10:03:53	Manual

Manifest: 2343716
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	76,620	38.31
Tare:	28,520	14.26
Net:	48,100	24.05

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343716

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	76420
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28320
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	48100

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), I(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent of GPL Development LLC Title: Field

Signature: Date and Time: October 8, 2021 0730

TRANSPORTER

Company: LOGITECH I Phone Number: 201-736-8005

Address: HILLSIDE NJ. Truck # and License Plate: AV195L NS #19

Driver: TITO BARAHONA SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito V Barahona Date and Time: 8.10.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito V Barahona Date and Time: 8.10.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/8/21 10:03

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2627054

	Date	Time	Scale
In:	10/08/2021	10:27:29	Manual
Out:	10/08/2021	10:27:29	Manual

Manifest: 2343714
Vehicle: 03-AU808Y
Decal:

	Lbs.	Tns
Gross:	80,460	40.23
Tare:	28,420	14.21
Net:	52,040	26.02

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343714

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
GPL Development LLC		30440
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	25420
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	5020

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoseph Mandel Director of Engineering GPL Development LLC Title: Field

Signature: Date and Time: 10/8/2021 0740

TRANSPORTER

Company: Logitech Phone Number:

Address: 478 Hillside Av Hillside NJ Truck # and License Plate: #33 AU8084 NJ

Driver: SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 10/08/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 10/08/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/8/21 10:25

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2627062

	Date	Time	Scale
In:	10/08/2021	10:31:17	Manual
Out:	10/08/2021	10:31:17	Manual

Manifest: 2343715
Vehicle: 03-AW291K
Decal:

	Lbs.	Tns
Gross:	85,240	42.62
Tare:	29,300	14.65
Net:	55,940	27.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343715

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR096-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85240
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29300
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	55940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: Field

Signature: [signature] Date and Time: 10/8/2021 0757

TRANSPORTER

Company: AVN Phone Number:

Address: 470 HILLSIDE AV Truck # and License Plate: 24-AW291K

Driver: Bryant SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-8-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-8-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/8/21 1029

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2627429

	Date	Time	Scale
In:	10/08/2021	14:01:53	Manual
Out:	10/08/2021	14:01:53	Manual

Manifest: 2343713
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	86,640	43.32
Tare:	28,140	14.07
Net:	58,500	29.25

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343713

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR095-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn, NY 11222	GROSS WEIGHT: ☒ Tons ☐ Yards	86640
	TARE WEIGHT: ☒ Tons ☐ Yards	28140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	58500

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/8/2021 1122

TRANSPORTER

Company: LOGITECH. Phone Number:

Address: 470, HILLSIDE AV NJ. Truck # and License Plate: AW-690L #03

Driver: Luis Espin SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/8/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10/8/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/8/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2627572

	Date	Time	Scale
In:	10/08/2021	15:13:11	Manual
Out:	10/08/2021	15:13:11	Manual

Manifest:2343712
Vehicle:03-AU807Y
Decal:

	Lbs.	Tns
Gross:	83,160	41.58
Tare:	28,200	14.10
Net:	54,960	27.48

Customer:MONADNOCK CONSTRUCTION INC
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:Logitech Transport, LLC
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:see approval

Driver

Facility Clean Earth of Bethlehem
Andrew DeColli

CLEANEARTH

Manifest # 2343712

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85160
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	30200
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54960

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: field

Signature: [signature] Date and Time: 10/8/2021 12:36

TRANSPORTER

Company: LOGITECH TRANS LLC Phone Number:

Address: 470 HILLSIDE AVE NJ. Truck # and License Plate: AU8074 NJ #31

Driver: TRILO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TRILO D Date and Time: 10-08-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TRILO D Date and Time: 10-08-21.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/8/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2627422

	Date	Time	Scale
In:	10/11/2021	09:26:24	Manual
Out:	10/11/2021	09:26:24	Manual

Manifest: 2343711
Vehicle: 03-AW462X
Decal:

	Lbs.	Tns
Gross:	69,040	34.52
Tare:	29,780	14.89
Net:	39,260	19.63

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343711

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☑ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☑ Tons ☐ Yards	69040
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☑ Tons ☐ Yards	29780
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☑ Tons ☐ Yards	39260

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Mustafa Mir of Kingsgate AS authorized agent for GPL Developer LLC Title: Field

Signature: Date and Time: 10/11/2021 07:12

TRANSPORTER

Company: EC TRANSPORT Phone Number:

Address: Truck # and License Plate: 52 AJW 4627

Driver: Anderson Zangiacomi SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 10.11.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 10.11.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/11/21 9:25

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2628220

	Date	Time	Scale
In:	10/11/2021	09:51:57	BETH
Out:	10/11/2021	09:51:57	BETH

Manifest: 2343710
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	73,300	36.65
Tare:	29,360	14.68
Net:	43,940	21.97

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343710

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	73300
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29360
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	43940

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

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Name: yasun [illegible] of Long [illegible] as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/11/21 0735

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-11-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/11/21 9:51

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2628741

	Date	Time	Scale
In:	10/11/2021	14:01:45	Manual
Out:	10/11/2021	14:01:45	Manual

Manifest: 2343709
Vehicle: 03-AW462X
Decal:

	Lbs.	Tns
Gross:	78,980	39.49
Tare:	29,780	14.89
Net:	49,200	24.60

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343709

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other ~~CE Bethlehem~~
~~3000 Commerce Center Blvd~~
~~Bethlehem, PA 18015~~
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	78980
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29780
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	49200

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), (D(0-5)), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: authorized agent of GPL Development LLC Title: Field

Signature: Date and Time: 10/11/2021 1146

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: Truck # and License Plate: 52 AW 462K

Driver: ANDERSON ZANGRANDO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 10.11.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 10.11.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/11/21 2pm

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2628835

	Date	Time	Scale
In:	10/12/2021	09:36:57	Manual
Out:	10/12/2021	09:36:57	Manual

Manifest: 2343678
Vehicle: 03-AW544B
Decal:

	Lbs.	Tns
Gross:	67,880	33.94
Tare:	29,600	14.80
Net:	38,280	19.14

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343678

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	67880
GPI Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	29400
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	38280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Roswell Lo of Langan as authorized agent of GPI Development LLC Title: field

Signature: [signature] Date and Time: 10/12/21 7:08

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: 42 NJ AW5445

Driver: Ambioris Garcia SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-12-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-12-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/12/21 9:36

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2629142

	Date	Time	Scale
In:	10/12/2021	09:48:39	Manual
Out:	10/12/2021	09:48:39	Manual

Manifest: 2343677
Vehicle: 03-AW643W
Decal:

	Lbs.	Tns
Gross:	84,340	42.17
Tare:	29,500	14.75
Net:	54,840	27.42

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343677

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	84340
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29500
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54840

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Roswell Lo at Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/12/21 7:13

TRANSPORTER

Company: J.C. Transport Phone Number:

Address: Truck # and License Plate: #48 AW64BW

Driver: Cesar Soto SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-12-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-12-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/12/21 9:47

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2631106

	Date	Time	Scale
In:	10/14/2021	13:01:30	Manual
Out:	10/14/2021	13:01:30	Manual

Manifest: 2343708
Vehicle: 03-AU195L
Decal:

	Lbs.	Tns
Gross:	83,040	41.52
Tare:	28,520	14.26
Net:	54,520	27.26

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343708

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	83040
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28520
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	54520

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Malgieri of LANGAN As Authorized Agent for GPL Development LLC
Title: Geologist / Langan
Signature:
Date and Time: 10/14/21 10:45

TRANSPORTER

Company: LOGITECH I
Address: 470 HILLSIDE NJ # 19
Driver: TITO BARAHONA (Type or Print Clearly)
Phone Number:
Truck # and License Plate: AV195L NJ # 19
SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito Barahona Date and Time: 10-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito Barahona Date and Time: 10-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 10/14/21 1pm

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2631658

	Date	Time	Scale
In:	10/15/2021	11:17:36	Manual
Out:	10/15/2021	11:17:36	Manual

Manifest: 2343707
Vehicle: 03-AW976P
Decal:

	Lbs.	Tns
Gross:	85,660	42.83
Tare:	28,300	14.15
Net:	57,360	28.68

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343707

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR095-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	85660
GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☒ Tons ☐ Yards	28300
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest~~

~~Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: JP Malgeri of Langan As Authorized Agent for GPL Development LLC Title: geologist

Signature: [signature] Date and Time: 10/15/21 7:15

TRANSPORTER

Company: AVN Phone Number:

Address: Truck # and License Plate: 32-AW946P

Driver: Nelson SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/15/21

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2637891

	Date	Time	Scale
In:	10/21/2021	10:05:45	Manual
Out:	10/21/2021	10:05:45	Manual

Manifest: 2343706
Vehicle: 03-AW976P
Decal:

	Lbs.	Tns
Gross:	85,180	42.59
Tare:	28,300	14.15
Net:	56,880	28.44

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343706

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
GPL Development LLC	☒ Tons ☐ Yards	85780
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28380
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT:	
	☒ Tons ☐ Yards	57080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), (B(0-5)), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), (K(0-2))

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yoshua Mark Pinsky agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/21/2021 0718

TRANSPORTER

Company: AVN Phone Number:

Address: Truck # and License Plate: 22-AW9767

Driver: Nelson (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/21/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/21/21 10:04

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2639933

	Date	Time	Scale
In:	10/25/2021	10:57:22	BETH
Out:	10/25/2021	10:57:22	BETH

Manifest:2343705
Vehicle:03-AW442G
Decal:

	Lbs.	Tns
Gross:	85,340	42.67
Tare:	28,060	14.03
Net:	57,280	28.64

Customer:MONADNOCK CONSTRUCTION INC
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:JC Trans
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:B(0-5), D(0-5)

Driver

Facility Clean Earth of Bethlehem
Chris Amoratis

CLEANEARTH

Manifest # 2343705

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	85340
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28060
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yagan Mark Pike of Langan Engineering agent of GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 10/25/2021 0829

TRANSPORTER

Company: W-OJEDA # 4 Phone Number:

Address: Truck # and License Plate: AW-4425

Driver: ALEXANDER (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/25/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/25/21 1055

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2649369

	Date	Time	Scale
In:	11/03/2021	09:46:55	Manual
Out:	11/03/2021	09:46:55	Manual

Manifest:2343703
Vehicle:03-AW975P
Decal:

	Lbs.	Tns
Gross:	76,180	38.09
Tare:	28,420	14.21
Net:	47,760	23.88

Customer:Monadnock Construction Inc
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:Logitech Transport, LLC
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343703

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other CE Bethlehem, 3000 Commerce Center Blvd, Bethlehem, PA 18015, WMGR096-NE004, PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	76180
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28420
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	47760

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Yashua Mueller of Langer as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/03/2021 0924

TRANSPORTER

Company: AVN Phone Number:

Address: Hi Truck # and License Plate: AW97CP

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-[illegible]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/3/21 947

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2649580

	Date	Time	Scale
In:	11/03/2021	10:05:51	Manual
Out:	11/03/2021	10:05:51	Manual

Manifest: 2343704
Vehicle: 03-AW689L
Decal:

	Lbs.	Tns
Gross:	87,920	43.96
Tare:	28,280	14.14
Net:	59,640	29.82

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343704

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	87920
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	28280
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	59640

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mohan Dr Ganesan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: ~~[illegible]~~ 11/3/2021 0714

TRANSPORTER

Company: Toyotech Phone Number:

Address: Truck # and License Plate: AW6896 H5

Driver: CAMIOS GO120 (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/3/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/3/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/3/21 10:04

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2656640

	Date	Time	Scale
In:	11/11/2021	10:11:32	Manual
Out:	11/11/2021	10:11:32	Manual

Manifest:2343681
Vehicle:03-AX227E
Decal:

	Lbs.	Tns
Gross:	80,020	40.01
Tare:	29,360	14.68
Net:	50,660	25.33

Customer:Monadnock Construction Inc
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:JC Trans
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343681

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	80.20
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	29.50
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	50.70

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), (H(0-5)), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Agent of GPL Development LLC Title: Field

Signature: Date and Time: 11/11/2021 0730

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E # 55

Driver: Tomas Contreras SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-11-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11/11/21 0810

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2658080

	Date	Time	Scale
In:	11/12/2021	07:23:19	Manual
Out:	11/12/2021	07:23:19	Manual

Manifest: 2343679
Vehicle: 03-AX227E
Decal:

	Lbs.	Tns
Gross:	95,700	47.85
Tare:	29,360	14.68
Net:	66,340	33.17

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343679

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR096-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	95700
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☒ Tons ☐ Yards	29360
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	66340

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mate of Langer as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/11/2021 1326

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tommy Conchumbo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-11-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: X [signature] Date and Time: X

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/12/21 7:21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2658353

	Date	Time	Scale
In:	11/15/2021	11:23:03	Manual
Out:	11/15/2021	11:23:03	Manual

Manifest: 2343676
Vehicle: 03-AU764V
Decal:

	Lbs.	Tns
Gross:	86,260	43.13
Tare:	28,980	14.49
Net:	57,280	28.64

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CLEANEARTH

Manifest # 2343676

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 18015
WMGR096-NE004
PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	SLAC
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	23980
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	57280

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Please print the of Kingston. as authorized agent of GPL Developer LLC Title: Fiel

Signature: Date and Time: 11/15/2021 08:20

TRANSPORTER

Company: Hym Contractors LLC Phone Number:

Address: Truck # and License Plate: AU764Y #1

Driver: SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11/15/21 11:20

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2660031

	Date	Time	Scale
In:	11/15/2021	14:46:07	Manual
Out:	11/15/2021	14:46:07	Manual

Manifest: 2343675
Vehicle: 03-AU714R
Decal:

	Lbs.	Tns
Gross:	95,720	47.86
Tare:	28,340	14.17
Net:	67,380	33.69

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: see approval

Driver

Facility Clean Earth of Bethlehem

Andrew DeColli

CLEANEARTH

Manifest # 2343675

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213031044

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other ~~CE Bethlehem~~ ~~3000 Commerce Center Blvd~~ ~~Bethlehem, PA 18015~~ WMGR095-NE004 PH: 484-241-9694

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☒ Tons ☐ Yards	95720
35 Commercial Street	TARE WEIGHT: ☒ Tons ☐ Yards	28340
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	67380

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Beneficial Use / Crushed Concrete / Must Circle what Sample Area is being shipped on Every Manifest

Comps A(0-5), B(0-5), C(0-5), D(0-5), E(0-5), F(0-5), G(0-5), H(0-5), I(5-10), J(0-2), K(0-2)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashiro Mark Dire of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/15/2021 1150

TRANSPORTER

Company: MESATRUCK Phone Number: JC

Address: Truck # and License Plate: AU714R

Driver: MAIKEL (Type or Print Clearly) SW Haulers Permit #: 03 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/15/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/15/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/15/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket: 2663134

	Date	Time	Scale
In:	11/19/2021	10:32:53	Manual
Out:	11/19/2021	10:32:53	Manual

Manifest: 2521462
Vehicle: 03-AW690L
Decal:

	Lbs.	Tns
Gross:	83,500	41.75
Tare:	28,140	14.07
Net:	55,360	27.68

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213031044
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment: SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth™

Manifest # 2521462

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031044

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	83500
GPL Development LLC 35 Commercial Street Brooklyn, NY	TARE WEIGHT: ☐Tons ☐Yards	28140
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	55360

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H-(0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: JJ Malgeri of Langan As Authorized Agent for GPL Development LLC Title: Geologist

Signature: Date and Time: 11/19/21

TRANSPORTER

Company: Direct Phone Number:

Address: 470 Hillside Ave NJ Truck # and License Plate: AW-6901 H03

Driver: Luis Espin SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/19/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/19/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11/19/21 10:31

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2663971

	Date	Time	Scale
In:	11/19/2021	10:49:59	BETH
Out:	11/19/2021	10:49:59	BETH

Manifest:2521461
Vehicle:03-AU195L
Decal:

	Lbs.	Tns
Gross:	85,180	42.59
Tare:	28,520	14.26
Net:	56,660	28.33

Customer:Monadnock Construction Inc
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:Logitech Transport, LLC
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2521461

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21303104

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☒ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	85BO
GPC Development LLC 35 Commercial Street Brooklyn, NY	TARE WEIGHT: ☐Tons ☐Yards	28520
GENERATOR'S PHONE: 212-355-7576	NET WEIGHT: ☐Tons ☐Yards	56000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Comp H-0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Maligeri of Langan As Authorized Agent for GPC Development LLC Title: SS Geologist

Signature: Date and Time: 11/19/21 7:20

TRANSPORTER

Company: LOGITECH I Phone Number: 201-736-9005

Address: HILLSIDE NJ Truck # and License Plate: AV195LNJ #14

Driver: TITO BARAHONA SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11. 19. 21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11. 19. 21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11/19/21 D.49

FACILITY

Clean Earth of Bethlehem
3000 Commerce Center Blvd
Bethlehem, PA 19030
Ph: Fax:

Ticket:2664024

	Date	Time	Scale
In:	11/19/2021	11:15:35	Manual
Out:	11/19/2021	11:15:35	Manual

Manifest:2521459
Vehicle:03-AU808Y
Decal:

	Lbs.	Tns
Gross:	84,500	42.25
Tare:	28,420	14.21
Net:	56,080	28.04

Customer:Monadnock Construction Inc
Generator:H1H2 Owner LLC
Address:535 Madison Avenue
NEW YORK, NY 10022

Carrier:Logitech Transport, LLC
Profile #:213031044
Job:Greenpoint Landing H1H2
Address:35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:SEE APPROVAL

Driver

Facility Clean Earth of Bethlehem
Virigina
Lichtenwalner

CleanEarth

Manifest # 2521459

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213031644

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☒ Other CE Bethlehem

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	84500
GPL Development LLC 35 Commercial Street Brooklyn, NY,	TARE WEIGHT: ☐Tons ☐Yards	28420
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	56080

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Comp H-0-5

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Mulgrew of Langan As Authorized Agent for GPL Development LLC Title: ES Geologist

Signature: Date and Time: 11/19/21 7:25

TRANSPORTER

Company: Logitech Phone Number:

Address: 470 Hillside Av Hillside NJ Truck # and License Plate: #33 AU 8084 NJ

Driver: SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/19/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/19/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11/19/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2614628

	Date	Time	Scale
In:	09/27/2021	09:33:25	Manual
Out:	09/27/2021	09:33:25	Manual

Manifest: 1797390
Vehicle: 07d&a15
Decal:

	Lbs.	Tns
Gross:	86,060	43.03
Tare:	29,020	14.51
Net:	57,040	28.52

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797390

MN.

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** 21307 ~~2977~~ 2250.

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY, 11222	GROSS WEIGHT: ☐Tons ☐Yards	86,060
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP G (5-5)~~ COMP G (5-8), COMP H (5-7), COMP B (5-6)
COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar [illegible] of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/27/2021 0731

TRANSPORTER

Company: DNA Phone Number: 973-808-8900

Address: Truck # and License Plate: #15 AW 710R

Driver: SCOTT (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-27-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/27/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2615724

	Date	Time	Scale
In:	09/27/2021	09:35:53	Manual
Out:	09/27/2021	09:35:53	Manual

Manifest: 1797388
Vehicle: 07D&A57
Decal:

	Lbs.	Tns
Gross:	83,960	41.98
Tare:	28,880	14.44
Net:	55,080	27.54

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797388

2250 MN

GLOBAL JOB NUMBER: 1005098 **FACILITY APPROVAL NUMBER:** 21307 ~~2073~~

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC, 35 Commercial Street, Brooklyn NY, 11122	GROSS WEIGHT: ☐Tons ☐Yards	83,960
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (5-8), COMP H (5-7), COMP B (5-6) COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashan [illegible] Lambert and authorized agent of GPL Delaware LLC Title: Field

Signature: [signature] Date and Time: 9/27/2021

TRANSPORTER

Company: DA Phone Number: 57

Address: Parsippany NJ Truck # and License Plate: AW 672 S

Driver: Marco Nuyo (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-27-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-27-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 9.27.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2615727

	Date	Time	Scale
In:	09/27/2021	09:37:02	Manual
Out:	09/27/2021	09:37:02	Manual

Manifest: 1797389
Vehicle: 07D&A6
Decal:

	Lbs.	Tns
Gross:	81,320	40.66
Tare:	23,900	11.95
Net:	57,420	28.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797389

2250 MW.

GLOBAL JOB NUMBER: 10050 48 **FACILITY APPROVAL NUMBER:** 213072

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	81,320
GPL Developer LLC 35 Commercial Stree Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (8-8), COMP H (5-7), COMP B (0-6), COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Print name of person as authorized agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 9/27/2021 0717

TRANSPORTER

Company: D and A Phone Number:

Address: Truck # and License Plate: #6 A54127

Driver: Javier Castaneda SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9/27/21 7:27 A.M

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/27/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2615758

	Date	Time	Scale
In:	09/27/2021	09:48:00	CEC
Out:	09/27/2021	09:48:00	CEC

Manifest: 1797392
Vehicle: 07WOJEDA4
Decal:

	Lbs.	Tns
Gross:	85,360	42.68
Tare:	28,700	14.35
Net:	56,660	28.33

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797392

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** 21307 2250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11122		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~COMP G (5-8)~~ COMP G (5-8), COMP H (5-7) COMP B (5-6)
COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] agent of GPL Design LLC Title: Field

Signature: [signature] Date and Time: 9/27/2021 0757

TRANSPORTER

Company: W. OJEDA 4 Phone Number:

Address: Truck # and License Plate: AW-442 E

Driver: ALEXANDER (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/27/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2616659

	Date	Time	Scale
In:	09/27/2021	15:54:25	CEC
Out:	09/27/2021	15:54:25	CEC

Manifest: 1797386
Vehicle: 07MESA01
Decal:

	Lbs.	Tns
Gross:	88,280	44.14
Tare:	26,500	13.25
Net:	61,780	30.89

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797386

GLOBAL JOB NUMBER: 1005048 FACILITY APPROVAL NUMBER: ~~213072377~~ 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developmer LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11122		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (5-8), COMP H (5-7), COMP B (5-6), COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: [illegible] of GPL Developmer LLC Title: Field

Signature: [signature] Date and Time: 9/27/2021 1406

TRANSPORTER

Company: Mesa Trucking Phone Number:

Address: Bogota, NJ Truck # and License Plate: #01 AS420W

Driver: Brendon Zuniga (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9/27/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9/27/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/27/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2616650

	Date	Time	Scale
In:	09/28/2021	09:07:00	CEC
Out:	09/28/2021	09:07:00	CEC

Manifest: 1797391
Vehicle: 07D&A8
Decal:

	Lbs.	Tns
Gross:	83,660	41.83
Tare:	24,380	12.19
Net:	59,280	29.64

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797391

21307 2250

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** ~~21307 2377~~ 4M

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY, 11122		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (5-8) COMP H (5-7) COMP B (5-8) COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: [illegible] DAT of [illegible] as authorized agent of GPL Developer LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0720

TRANSPORTER

Company: D+A Contracting. Phone Number:

Address: Truck # and License Plate: #8 AW560L

Driver: Steven Naranjo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-28-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-28-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/28/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2616985

	Date	Time	Scale
In:	09/28/2021	09:11:33	CEC
Out:	09/28/2021	09:11:33	CEC

Manifest: 1797387
Vehicle: 07D&A36
Decal:

	Lbs.	Tns
Gross:	91,000	45.50
Tare:	26,640	13.32
Net:	64,360	32.18

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1797387

GLOBAL JOB NUMBER: 1005048 FACILITY APPROVAL NUMBER: ~~21307237~~ 213072250 KMP

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 commercial Street Brooklyn NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (5-8), COMP H (5-7), COMP B (5-6), COMP A (5-6

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent for GPL Developer LLC (name of agent - company of agent - GPL Developer LLC) Title: Field

Signature: _____ Date and Time: 9/28/2021 0780

TRANSPORTER

Company: D+A Phone Number: _____

Address: _____ Truck # and License Plate: 36 AU436J

Driver: Keishla (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: KMCR Date and Time: 09/28/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: KMCR Date and Time: 09/28/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/28/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2617323

	Date	Time	Scale
In:	09/28/2021	11:28:02	CEC
Out:	09/28/2021	11:28:02	CEC

Manifest: 2391352
Vehicle: 07D&A43
Decal:

	Lbs.	Tns
Gross:	81,740	40.87
Tare:	27,840	13.92
Net:	53,900	26.95

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391352

GLOBAL JOB NUMBER: 1005 048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY, 11122		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP G (5-8) COMP H (5-7) COMP B (5-6) COMP A (5-6)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashan Mo Din of Langan as authorized agent of GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 9/28/2021 0952

TRANSPORTER

Company: D+D Contracting Phone Number:

Address: 322 RT 46 West Truck # and License Plate: #43-AU7070

Driver: Michael Colcerra SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-28-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-28-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 9.28.21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619021

	Date	Time	Scale
In:	09/30/2021	09:41:13	CEC
Out:	09/30/2021	09:41:13	CEC

	Lbs.	Tns
Gross:	79,640	39.82
Tare:	29,220	14.61
Net:	50,420	25.21

Manifest: 2391360
Vehicle: 07LOGI31
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391360

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	
35 commercial steel	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (2-5), COMP G (5-8), COMP A (5-6) COMP H (5-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasha Mark Dan de Lange as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/30/2021 0749

TRANSPORTER

Company: LOGITECH TRANS Phone Number:

Address: 470 HILLSIDE AVE Truck # and License Plate: #31 AN8079 NJ.

Driver: TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO D Date and Time: 09-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO D Date and Time: 09-30-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619650

	Date	Time	Scale
In:	09/30/2021	09:55:36	CEC
Out:	09/30/2021	09:55:36	CEC

Manifest: 2391359
Vehicle: 07DRV24
Decal:

	Lbs.	Tns
Gross:	80,220	40.11
Tare:	27,420	13.71
Net:	52,800	26.40

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391359

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (2-5) COMP G (5-8) COMP A (5-6) COMP H (5-8

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: yash, [illegible] of [illegible] as [illegible] agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/30/2021 0750

TRANSPORTER

Company: DRV Phone Number:

Address: Truck # and License Plate: AW734R #24

Driver: Vega (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9 30 21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9 30 21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619668

	Date	Time	Scale
In:	09/30/2021	10:05:08	CEC
Out:	09/30/2021	10:05:08	CEC

Manifest: 2391358
Vehicle: 07DRV48
Decal:

	Lbs.	Tns
Gross:	81,080	40.54
Tare:	28,480	14.24
Net:	52,600	26.30

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391358

GLOBAL JOB NUMBER: 100548 **FACILITY APPROVAL NUMBER:** 2130725-0

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developer LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (2-5), COMP G (5-8) COMP A (5-6) COMP H (5-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Washington as agent of GPL Developer LLC as authorized Title: Field

Signature: _____ Date and Time: 9/30/2021 0807

TRANSPORTER

Company: ORV Phone Number: _____

Address: _____ Truck # and License Plate: AU716F NEJ

Driver: Anthony SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Anthony Date and Time: 09.30.21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Anthony Date and Time: 09.30.21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/30/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619733

	Date	Time	Scale
In:	09/30/2021	10:28:58	CEC
Out:	09/30/2021	10:28:58	CEC

Manifest: 2391357
Vehicle: 07DRV38
Decal:

	Lbs.	Tns
Gross:	79,020	39.51
Tare:	28,720	14.36
Net:	50,300	25.15

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391357

GLOBAL JOB NUMBER: 1005 0 48 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (2-5), COMP G (5-8) COMP A (5-6) COMP H (5-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasha Nota Dias of Langa as authored agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/30/2021 0811

TRANSPORTER

Company: Logarch Phone Number: #38

Address: Truck # and License Plate: AT 835X

Driver: Ruben SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 9-30-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619735

	Date	Time	Scale
In:	09/30/2021	10:30:23	CEC
Out:	09/30/2021	10:30:23	CEC

Manifest: 2391356
Vehicle: 07DRV68
Decal:

	Lbs.	Tns
Gross:	78,960	39.48
Tare:	26,880	13.44
Net:	52,080	26.04

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391356

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J (5-5), COMP G (5-8) COMP A (5-6) COMP H (5-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshua Roth Dir of Legal is authorized for GPL Development LLC Title: Field

Signature: _____ Date and Time: 9/30/2021 08 24

TRANSPORTER

Company: DRV Express LLC Phone Number:

Address: 470 Hillside NJ 07205 Truck # and License Plate: AW848H 6877

Driver: Marco Sequenza (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9-30-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 9/30/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2619758

	Date	Time	Scale
In:	09/30/2021	10:41:02	CEC
Out:	09/30/2021	10:41:02	CEC

Manifest: 2391355
Vehicle: 07DRV15
Decal:

	Lbs.	Tns
Gross:	81,840	40.92
Tare:	28,240	14.12
Net:	53,600	26.80

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391355

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP J ~~(0~~ (2-5) COMP G (5-8) COMP A (5-6)
COMP H (5-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mohan Dias of Lange as authored agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 9/30/2021 0838

TRANSPORTER

Company: DRV Express Phone Number:

Address: Truck # and License Plate: 15 AU976A

Driver: David Baez (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 09-30-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 09-30-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9/30/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2624028

	Date	Time	Scale
In:	10/06/2021	08:52:18	CEC
Out:	10/06/2021	08:52:18	CEC

Manifest: 2391369
Vehicle: 07LOGI11
Decal:

	Lbs.	Tns
Gross:	83,600	41.80
Tare:	28,760	14.38
Net:	54,840	27.42

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391369

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial Steet	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (5-10) COMP 5 (2-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: yashua Mordechai Weinberger (as authorized agent of GPL Development LLC) Title: Field

Signature: _____ Date and Time: 10/6/2021 0709

TRANSPORTER

Company: Logitech Phone Number: _____

Address: _____ Truck # and License Plate: #11

Driver: Luis M SW Haulers Permit #: AU224A

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/6/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/6/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10/6/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2624553

	Date	Time	Scale
In:	10/06/2021	08:56:43	CEC
Out:	10/06/2021	08:56:43	CEC

Manifest: 2391368
Vehicle: 07AVA30
Decal:

	Lbs.	Tns
Gross:	77,420	38.71
Tare:	28,080	14.04
Net:	49,340	24.67

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391368

GLOBAL JOB NUMBER: 1005[illegible]48 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (5-10) COMP J (2-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mark Dan of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/6/2021 0716

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: 908-686-7595

Address: 420 Hillside Ave Truck # and License Plate: #30-AW292K

Driver: Bryan (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/6/21 - 7:37am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10/6/21 - 8:00a.m

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/6/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2624602

	Date	Time	Scale
In:	10/06/2021	09:16:58	CEC
Out:	10/06/2021	09:16:58	CEC

Manifest: 2391367
Vehicle: 07LOGI33
Decal:

	Lbs.	Tns
Gross:	75,960	37.98
Tare:	28,540	14.27
Net:	47,420	23.71

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391367

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 2B072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (5-10) COMP J (2-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Nashon Roth Dirz of Cargan and authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: ~~10~~ 10/6/2021 0722

TRANSPORTER

Company: Logitech Transport Phone Number:

Address: 470 Hillside Av Hillside NJ Truck # and License Plate: #33 AU8084 NJ

Driver: (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/06/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10/06/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/6/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2624605

	Date	Time	Scale
In:	10/06/2021	09:18:29	CEC
Out:	10/06/2021	09:18:29	CEC

Manifest: 2391366
Vehicle: 07AVA24
Decal:

	Lbs.	Tns
Gross:	76,840	38.42
Tare:	28,540	14.27
Net:	48,300	24.15

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391366

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (5-10) COMP J (2-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaqin [illegible] of Long as authorized agent or GPL Development LLC Title: Field

Signature: [signature] Date and Time: 10/6/2021 0728

TRANSPORTER

Company: AVN Phone Number:

Address: 4470 HILLSIDE AV Truck # and License Plate: 24-AW291K

Driver: Bryant (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-6-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-6-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10/6/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2624641

	Date	Time	Scale
In:	10/06/2021	09:35:24	CEC
Out:	10/06/2021	09:35:24	CEC

Manifest: 2391365
Vehicle: 07LOGI19
Decal:

	Lbs.	Tns
Gross:	79,980	39.99
Tare:	27,880	13.94
Net:	52,100	26.05

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 2391365

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 21307 2250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developer LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212 355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP A (5-10) COMP J (2-8)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent of GPL Developer LLC Title: Field

Signature: _____ Date and Time: 10/6/2021 0734

TRANSPORTER

Company: LOGITECH Phone Number: 201-736-8005

Address: HILLSIDE NJ Truck # and License Plate: AU195L NJ # 19

Driver: TITO BARRAHONA SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito V Barahona Date and Time: 10-6-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito V Barahona Date and Time: 10-6-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 10.6.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2630424

	Date	Time	Scale
In:	10/14/2021	08:35:14	CEC
Out:	10/14/2021	08:35:14	CEC

Manifest: 2521454
Vehicle: 07LOGI19
Decal:

	Lbs.	Tns
Gross:	79,560	39.78
Tare:	27,880	13.94
Net:	51,680	25.84

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CleanEarth

Manifest # 2521454

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 2150723TT

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: [X] Tons [ ] Yards	
GPL Development LLC 35 Commercial Street Development LLC	TARE WEIGHT: [X] Tons [ ] Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: [X] Tons [ ] Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

UEI Trench COMP 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Maloney of Langan as Authorized Agent for GPL Development LLC Title: Langan

Signature: _____ Date and Time: 10/14/21 7:10

TRANSPORTER

Company: LOGITECH T Phone Number: _____

Address: HILLSIDE NJ Truck # and License Plate: AV195L NS #19

Driver: TITO BARAHONA SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 9-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 9-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10.14.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2631170

	Date	Time	Scale
In:	10/14/2021	08:41:17	CEC
Out:	10/14/2021	08:41:17	CEC

	Lbs.	Tns
Gross:	84,980	42.49
Tare:	29,220	14.61
Net:	55,760	27.88

Manifest: 2521455
Vehicle: 07LOGI31
Decal:

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CleanEarth

Manifest # 2521455

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 Commercial Street Brooklyn NY	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP Trench Comp 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Malgeri As Authorized Agent for GPL Development LLC Title: Langan

Signature: _____ Date and Time: 10/14/21 7:15

TRANSPORTER

Company: LOGTREM TRANS Phone Number: _____

Address: 470 HILLSIDE NJ Truck # and License Plate: #31 AW8079 NJ

Driver: TRUD D (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TRUD D Date and Time: 10-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TRUD D Date and Time: 10-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10.14.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2639925

	Date	Time	Scale
In:	10/25/2021	09:40:50	CEC
Out:	10/25/2021	09:40:50	CEC

Manifest: 2391354
Vehicle: 07LOGI07
Decal:

	Lbs.	Tns
Gross:	75,720	37.86
Tare:	29,100	14.55
Net:	46,620	23.31

Customer: MONADNOCK CONSTRUCTION INC
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 2391354

213072250

GLOBAL JOB NUMBER: 10 05048 **FACILITY APPROVAL NUMBER:** ~~213031044~~ YM

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developmal LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP K (2-6) / MEP COMP 1

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Washington Langan as authorized agent of GPL Developmal LLC Title: Field

Signature: [signature] Date and Time: 10/25/2021 0731

TRANSPORTER

Company: Logistics Transportation LLC Phone Number:

Address: 470 Hillside Av Hillside Truck # and License Plate: AU259W log #07

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10/25/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10/25/20

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KD Date and Time: 10.25.21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2646519

	Date	Time	Scale
In:	11/01/2021	09:17:48	CEC
Out:	11/01/2021	09:17:48	CEC

Manifest: 1793869
Vehicle: 07LOGI5
Decal:

	Lbs.	Tns
Gross:	84,660	42.33
Tare:	26,180	13.09
Net:	58,480	29.24

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson

CLEANEARTH

Manifest # 1793869

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Greenpoint Landing H H~~ GPL Developers LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

~~MEP Tr~~ MEP Trench COMP 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] of GPL Developers LLC Title: Field

Signature: [signature] Date and Time: 0735 11/1/2021

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595

Address: P.O Box 787, Hillside NJ 07205 Truck # and License Plate: AW 689L #5

Driver: CARLOS L CAGO (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/1/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/1/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11.01.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2647167

	Date	Time	Scale
In:	11/01/2021	10:11:32	Manual
Out:	11/01/2021	10:11:32	Manual

Manifest: 1793866
Vehicle: 07AVA02
Decal:

	Lbs.	Tns
Gross:	78,780	39.39
Tare:	28,880	14.44
Net:	49,900	24.95

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson

CLEANEARTH

Manifest # 1793866

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	78,780
~~Greenpoint Landing H1H2~~ GPL Developers LLC 35 Commercial Street Brooklyn, NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP Trench COMP 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yasmin Moore Dr SA Langan LLC authorized agent of GPL Dev LLC Title: Field

Signature: [signature] ~~Date and Time:~~ 0730 11/1/2021

TRANSPORTER

Company: Logitech Transport LLC AUN XYQ2 Phone Number: (908) 686-7595

Address: P.O Box 787, Hillside NJ 07205 Truck # and License Plate: AW529J

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-01-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-01-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 11-01-21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2647542

	Date	Time	Scale
In:	11/02/2021	09:57:53	CEC
Out:	11/02/2021	09:57:53	CEC

Manifest: 1793867
Vehicle: 07AVA26
Decal:

	Lbs.	Tns
Gross:	87,500	43.75
Tare:	28,540	14.27
Net:	58,960	29.48

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CLEANEARTH

Manifest # 1793867

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~Greenpoint Landing 111112~~ GPL Development LLC 35 Commercial Street Brooklyn, NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP Trench COMP 2 ~~(Comp J South (0-6), Com)~~

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yusuva Mata Diaz or Langlois as authored agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/2/2021 0750

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595

Address: PO Box 787, Hillside NJ 07205 Truck # and License Plate:

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-2-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 1[illegible]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/2/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2655468

	Date	Time	Scale
In:	11/10/2021	08:55:12	CEC
Out:	11/10/2021	08:55:12	CEC

Manifest: 2384941
Vehicle: 07AVA26
Decal:

	Lbs.	Tns
Gross:	78,020	39.01
Tare:	28,540	14.27
Net:	49,480	24.74

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CLEANEARTH

Manifest # 2384941

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
~~Greenpoint Landing 11112~~ GPL Developmnt LLC	☐Tons ☐Yards	
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	☐Tons ☐Yards	
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H (5-8), COMPJ South (6-7), COMPJ North (2-5), COMPK (6-7)
COMP F (0-5), COMP D (0-5), MEP COMP 1/COMPK (2-4)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashin Mea Dim as authorized agent of ~~Greenpoint~~ ~~[illegible]~~ GPL Develop LLC Title: Field

Signature: [signature] Date and Time: 11/10/2021 0717 ~~[illegible]~~ YMD

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595 #26

Address: P.O Box 787, Millside NJ 07205 Truck # and License Plate: AW975P

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/10/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2656490

	Date	Time	Scale
In:	11/10/2021	12:43:33	CEC
Out:	11/10/2021	12:43:33	CEC

Manifest: 2384950
Vehicle: 07AVA26
Decal:

	Lbs.	Tns
Gross:	89,620	44.81
Tare:	28,540	14.27
Net:	61,080	30.54

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret
31509

CLEANEARTH

Manifest # 2384950

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Greenpoint Landing H1H2~~ GPL Developme LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H (5-8), COMP J South (6-7), COMP J North (2-5), COMP K (6-7)
COMP F (0-5) COMP D (0-5)

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yoshiro Nash Dir of Langan CS authorized agent of GPL Developme LLC Title: Fed

Signature: [signature] Date and Time: 11/10/2021 11:00

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595 #26

Address: P.O Box 787, Hillside NJ 07205 Truck # and License Plate: AW975P

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-10-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-10-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 11.10.21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2661304

	Date	Time	Scale
In:	11/17/2021	14:46:00	CEC
Out:	11/17/2021	14:46:00	CEC

Manifest: 1793868
Vehicle: 07AVA26
Decal:

	Lbs.	Tns
Gross:	86,620	43.31
Tare:	28,540	14.27
Net:	58,080	29.04

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CLEANEARTH

Manifest # 1793868

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Greenpoint Landing H1H2~~ GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP H (4-6), COMP G (4-6), COMP J South (4-6), COMP G (0-5)
COMP H (0-5) COMP H (5-7) / MEP Trench COMP-2 / G-2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar Aste Bus of Lahan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/17/2021 1203

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595 #26

Address: P.O Box 787, Hillside NJ 07205 Truck # and License Plate: AW975P

Driver: Paul (Type or Print Clearly) SW Haulers Permit #: NJ-1012 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-17-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-17-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/17/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2663131

	Date	Time	Scale
In:	11/19/2021	09:18:20	CEC
Out:	11/19/2021	09:18:20	CEC

Manifest: 2521460
Vehicle: 07LOGI31
Decal:

	Lbs.	Tns
Gross:	80,080	40.04
Tare:	29,220	14.61
Net:	50,860	25.43

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth

Manifest # 2521460

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GTL Development LLC 35 commercial street Brooklyn, NY, 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP comp #2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: TJ Malgieri of Langan As Authorized Agent for GTL Development LLC Title: Senior staff geologist

Signature: _____ Date and Time: 11/19/21 7:15

TRANSPORTER

Company: LOGITECH TRANS LLC Phone Number: _____

Address: 470 HILLSIDE AVE NJ Truck # and License Plate: #31 AV8074 NJ

Driver: TEDD (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TEDD Date and Time: 11-19-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TEDD Date and Time: 11-19-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11/19/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2664053

	Date	Time	Scale
In:	11/22/2021	07:41:48	CEC
Out:	11/22/2021	07:41:48	CEC

Manifest: 2521489
Vehicle: 07LOGI19
Decal:

	Lbs.	Tns
Gross:	80,420	40.21
Tare:	27,880	13.94
Net:	52,540	26.27

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret
31509

CleanEarth™

Manifest # 2521489

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21307 2377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP French 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mik of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/22/2021 0620

TRANSPORTER

Company: LOGITECH T Phone Number: 201-736 8005

Address: HILLSIDE NJ. Truck # and License Plate: AU195L-NJ #19

Driver: TITO BARAHONA (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tito Barahona Date and Time: 11. 22. 21.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Tito Barahona Date and Time: 11. 22. 21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/22/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2664847

	Date	Time	Scale
In:	11/22/2021	07:47:44	CEC
Out:	11/22/2021	07:47:44	CEC

Manifest: 2521494
Vehicle: 07LOGI3
Decal:

	Lbs.	Tns
Gross:	72,780	36.39
Tare:	26,220	13.11
Net:	46,560	23.28

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth™

Manifest # 2521494

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developer LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP Tench 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashar Mr of Langman as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 11/22/21 6:15 AM

TRANSPORTER

Company: Logitech Phone Number:

Address: 470 Hillside, NJ NJ Truck # and License Plate: ACW-6910 #63

Driver: Luis Eyn SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/22/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/22/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/22/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2664872

	Date	Time	Scale
In:	11/22/2021	08:09:44	CEC
Out:	11/22/2021	08:09:44	CEC

Manifest: 2521490
Vehicle: 07LOGI33
Decal:

	Lbs.	Tns
Gross:	84,340	42.17
Tare:	28,540	14.27
Net:	55,800	27.90

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Barry Gibson 31509

CleanEarth

Manifest # 2521490

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 21907237 7

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Developer LLC		
35 Commerce Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7510	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MEP Trench 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vasha Mott of Langan as authorized agent for GPL Developer LLC Title: Field

Signature: _____ Date and Time: 11/22/2021 0630

TRANSPORTER

Company: Logitech Phone Number: _____

Address: 470 Hillside Av Hillside NJ Truck # and License Plate: #33 AU BDBY NJ

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/22/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/22/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 11.22.21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2664900

	Date	Time	Scale
In:	11/22/2021	08:35:09	CEC
Out:	11/22/2021	08:35:09	CEC

Manifest: 2521491
Vehicle: 07AVA24
Decal:

	Lbs.	Tns
Gross:	90,380	45.19
Tare:	28,540	14.27
Net:	61,840	30.92

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth

Manifest # 2521491

GLOBAL JOB NUMBER: 1905048 **PROFILE NUMBER:** 213072377

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 Commercial Street Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION MEP Trench 2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: agent of GPL Developing (Your name & if changed 95 authorized) Title: Field

Signature: _____ Date and Time: 11/22/2021 0709

TRANSPORTER

Company: AVN Phone Number: _____

Address: 470 HILLSIDE AV Truck # and License Plate: 24-AW291K

Driver: Bryant SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11-22-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11-22-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 11.22.21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2673424

	Date	Time	Scale
In:	12/03/2021	07:45:39	CEC
Out:	12/03/2021	07:45:39	CEC

Manifest: 2354914
Vehicle: 07AVA30
Decal:

	Lbs.	Tns
Gross:	87,420	43.71
Tare:	28,080	14.04
Net:	59,340	29.67

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CLEANEARTH

Manifest # 2354914

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072377

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 Commercial St. Brooklyn, NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212 355 7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Approval # 213072377

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Caroline Penn of Langan as agent for GPL development Title: Field

Signature: [signature] Date and Time: 12/3/21

TRANSPORTER

Company: Logitech / AVP Phone Number: _____

Address: _____ Truck # and License Plate: AW292K

Driver: Luis M SW Haulers Permit #: #30

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/3/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12/3/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12/3/21

FACILITY

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2674126

	Date	Time	Scale
In:	12/03/2021	07:48:09	CEC
Out:	12/03/2021	07:48:09	CEC

Manifest: 2489264
Vehicle: 07LOGI9
Decal:

	Lbs.	Tns
Gross:	90,080	45.04
Tare:	29,180	14.59
Net:	60,900	30.45

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth™

Manifest # 2489264

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC	GROSS WEIGHT: ☐Tons ☐Yards	
35 Commercial St.	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY, 11222		
GENERATOR'S PHONE: 212 355 7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Approval # 213072377

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Caroline Dunn of Langan as agent for GPL Development Title: Field

Signature: [signature] Date and Time: 12/3/21

TRANSPORTER

Company: Logoffo Transport Phone Number:

Address: 470 Hillside Ave Hillside Truck # and License Plate: AU692C Log 209

Driver: [signature] (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/03/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12/03/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12/3/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2674133

	Date	Time	Scale
In:	12/03/2021	07:51:55	CEC
Out:	12/03/2021	07:51:55	CEC

Manifest: 2489263
Vehicle: 07LOGI5
Decal:

	Lbs.	Tns
Gross:	90,280	45.14
Tare:	26,180	13.09
Net:	64,100	32.05

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth

Manifest # 2489263

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Brandywine
16301 Gardner Road
Waldorf, MD 20601
PH: 240-389-6394

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC 35 Commercial St Brooklyn, NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212 355 7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Approval # 213072379

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Carlos Leon of Langan as agent for GPL Development Title: Field

Signature: [signature] Date and Time: 12/3/21

TRANSPORTER

Company: Logistech Phone Number: _____

Address: _____ Truck # and License Plate: AW6891 HS

Driver: Carlos L Soto SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/3/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12/3/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12/3/21

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2674356

	Date	Time	Scale
In:	12/06/2021	07:37:40	CEC
Out:	12/06/2021	07:37:40	CEC

Manifest: 2521458
Vehicle: 07LOGI5
Decal:

	Lbs.	Tns
Gross:	90,240	45.12
Tare:	26,180	13.09
Net:	64,060	32.03

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth™

Manifest # 2521458

GLOBAL JOB NUMBER: 1005 048 **PROFILE NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 Commercial Street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Approval # 213072377

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Vashiya Mota Dia of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 12/6/2021 0618

TRANSPORTER

Company: Logiltech Phone Number: _____

Address: _____ Truck # and License Plate: AW689L #5

Driver: CARLOS L [illegible] (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 6/1/2021

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 6/1/2021

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12/6/21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-601-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2675776

	Date	Time	Scale
In:	12/06/2021	08:10:43	CEC
Out:	12/06/2021	08:10:43	CEC

Manifest: 2521453
Vehicle: 07LOGI9
Decal:

	Lbs.	Tns
Gross:	88,980	44.49
Tare:	29,180	14.59
Net:	59,800	29.90

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth™

Manifest # 2521453

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC		
35 commercial street	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn, NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Approval # 213072377

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yashua Mark of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 12/06/2021 6:50

TRANSPORTER

Company: [illegible] Phone Number:

Address: 420 Millside New Milford NJ Truck # and License Plate: AU692C log #09

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/06/21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12/06/21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12/6/4

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2684010

	Date	Time	Scale
In:	12/14/2021	08:41:46	CEC
Out:	12/14/2021	08:41:46	CEC

Manifest: 2526640
Vehicle: 07LOGI31
Decal:

	Lbs.	Tns
Gross:	45,220	22.61
Tare:	29,220	14.61
Net:	16,000	8.00

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072377
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver Barry Gibson

Facility Clean Earth of Carteret 31509

CleanEarth™

Manifest # 2526640

GLOBAL JOB NUMBER: 1005048 **PROFILE NUMBER:** ~~213021044~~ 213072377

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Brandywine, 16301 Gardner Road, Waldorf, MD 20601, PH: 240-389-6394
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: ~~Greenpoint Landing H1H2~~ GPL Development LLC	GROSS WEIGHT: [x] Tons [ ] Yards	
35 Commercial Street	TARE WEIGHT:	
Brooklyn, NY 11222	[x] Tons [ ] Yards	
GENERATOR'S PHONE:	NET WEIGHT: [x] Tons [ ] Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Pile 7 Comp/Grab, MED Trench Comp-2/G-2

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodwish of Langan as authorized agent of GPL Development LLC Title: Field

Signature: [signature] Date and Time: 12/14/21

TRANSPORTER

Company: ~~JC Transport Inc.~~ Logitech Phone Number:

Address: ~~39-43 Porete Ave~~ 470 HILLSIDE NJ Truck # and License Plate: #31 AU8074 NJ.

Driver: ~~North Arlington, NJ 07031~~ TELLO D SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: TELLO D Date and Time: 12-14-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: TELLO D Date and Time: 12-14-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: KH Date and Time: 12.14.21

FACILITY

Revised 1/29/21

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2886145

	Date	Time	Scale
In:	08/22/2022	11:18:48	CEC
Out:	08/22/2022	11:18:48	CEC

Manifest: 2628201
Vehicle: 07LOGI29
Decal:

	Lbs.	Tns
Gross:	79,240	39.62
Tare:	28,760	14.38
Net:	50,480	25.24

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth™

Manifest # 2628201

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non-Hazardous Soil Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Bailey of Langan as authorized agent of GPL Development Title:

Signature: Date and Time: 08/22/22 9:30

TRANSPORTER

Company: Logitech T. Phone Number:

Address: 470 Hillside ave, Hillside NJ Truck # and License Plate: 29 NJ AU809Y

Driver: X Manuel SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X Date and Time: 08/22/22 9:30

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 08-22-2022

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2891946

	Date	Time	Scale
In:	08/22/2022	12:05:27	CEC
Out:	08/22/2022	12:05:27	CEC

Manifest: 2628202
Vehicle: 07DRV14
Decal:

	Lbs.	Tns
Gross:	83,260	41.63
Tare:	27,680	13.84
Net:	55,580	27.79

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth

Manifest # 2628202

GLOBAL JOB NUMBER: 1009048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil Retaining Wall Comp / G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Bilezikjian Agent as Authorized Agent on behalf of GPL Development Title: _____

Signature: [signature] Date and Time: 08/22/22

TRANSPORTER

Company: DRV (aka Logitech) Phone Number: _____

Address: _____ Truck # and License Plate: 14 NJ AW433R

Driver: Fidel Chavez SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/22/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-22-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 8-22-22

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892285

	Date	Time	Scale
In:	08/22/2022	14:22:13	CEC
Out:	08/22/2022	14:22:13	CEC

Manifest: 2628203
Vehicle: 07LOGI03
Decal:

	Lbs.	Tns
Gross:	79,780	39.89
Tare:	28,400	14.20
Net:	51,380	25.69

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth™

Manifest # 2628203

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall Comp/61

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan as Authorized GPL Development LLC Title:

Signature: Date and Time: 08/22/22

TRANSPORTER

Company: Logitech Phone Number:

Address: Truck # and License Plate: AWG90L 03

Driver: Carlos SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X Date and Time: 08/22/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Carlos Date and Time: 8.22.22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892424

	Date	Time	Scale
In:	08/22/2022	15:45:48	CEC
Out:	08/22/2022	15:45:48	CEC

	Lbs.	Tns
Gross:	82,080	41.04
Tare:	29,100	14.55
Net:	52,980	26.49

Manifest: 2628204
Vehicle: 07LOGI07
Decal:

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth

Manifest # 2628204

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

X

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil Retaing Wall COMP / G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Asnes of Langan as authorized agent on behalf of GPL Development LLC Title:

Signature: Date and Time: 08/22/22

TRANSPORTER

Company: LOGITECH Phone Number:

Address: 470 Hillside Ave Hillside NJ Truck # and License Plate: 07 NJ AH259W

Driver: Francis Cruz SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08/22/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8-22-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892438

	Date	Time	Scale
In:	08/22/2022	15:59:28	CEC
Out:	08/22/2022	15:59:28	CEC

Manifest: 2628205
Vehicle: 07LOGI29
Decal:

	Lbs.	Tns
Gross:	81,320	40.66
Tare:	28,760	14.38
Net:	52,560	26.28

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth

Manifest # 2628205

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-7570	GROSS WEIGHT: ☐Tons ☐Yards TARE WEIGHT: ☐Tons ☐Yards NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil — Retaining Wall Comp / G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley Agent on behalf of GPL as authorized by GPL Development LLC Title:

Signature: [signature] Date and Time: 08/22/22 2:12

TRANSPORTER

Company: LOGITECH Phone Number:

Address: Truck # and License Plate: 29 NJ AU804Y

Driver: X Manuel SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X [signature] Date and Time: 08/22/22 2:13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08-22-2022

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time:

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2891914

	Date	Time	Scale
In:	08/23/2022	09:34:26	CEC
Out:	08/23/2022	09:34:26	CEC

Manifest: 2628206
Vehicle: 07logi04
Decal:

	Lbs.	Tns
Gross:	77,740	38.87
Tare:	29,000	14.50
Net:	48,740	24.37

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628206

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

X
- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil — Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley at Langan as authorized agent on behalf of GPL Development Title: _____

Signature: _____ Date and Time: 08/23/22

TRANSPORTER

Company: LOGITECH Phone Number: _____

Address: 470 Hillside Ave Hillside NJ Truck # and License Plate: 04 NJ AK443R

Driver: X _____ SW Haulers Permit #: NJ 1012

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X _____ Date and Time: 08/23/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 08/23/22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892928

	Date	Time	Scale
In:	08/23/2022	09:58:36	CEC
Out:	08/23/2022	09:58:36	CEC

Manifest: 2628207
Vehicle: 07LOGI33
Decal:

	Lbs.	Tns
Gross:	77,460	38.73
Tare:	28,540	14.27
Net:	48,920	24.46

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628207

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall CMP / G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan agent on behalf of GPL Development Title: _____

Signature: _____ Date and Time: 08/23/22

TRANSPORTER

Company: LOGITECH Phone Number: _____

Address: 420 Hillside Av Hillside NJ Truck # and License Plate: 33 NJ AU508V

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/23/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/23/22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892994

	Date	Time	Scale
In:	08/23/2022	10:24:25	CEC
Out:	08/23/2022	10:24:25	CEC

Manifest: 2628208
Vehicle: 07DRV68
Decal:

	Lbs.	Tns
Gross:	72,340	36.17
Tare:	26,880	13.44
Net:	45,460	22.73

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628208

GLOBAL JOB NUMBER: 1003048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222 GENERATOR'S PHONE: 212-355-7570	GROSS WEIGHT: ☐Tons ☐Yards TARE WEIGHT: ☐Tons ☐Yards NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non-Hazardous Soil — Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Arbeg of Dorgan as authorized agent on behalf of GPL Development LLC Title: _____

Signature: _____ Date and Time: 08/23/22

TRANSPORTER

Company: PHV (aka LOGITECH) Phone Number: _____

Address: _____ Truck # and License Plate: 68 NJ AW848H

Driver: x David Baez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/23/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 08-23-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 8/23/22

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2893203

	Date	Time	Scale
In:	08/23/2022	11:30:07	CEC
Out:	08/23/2022	11:30:07	CEC

Manifest: 2628209
Vehicle: 07LOGI5
Decal:

	Lbs.	Tns
Gross:	83,080	41.54
Tare:	26,180	13.09
Net:	56,900	28.45

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth™

Manifest # 2628209

GLOBAL JOB NUMBER: 1006048 **FACILITY APPROVAL NUMBER:** 2130722S0

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards TARE WEIGHT: ☐Tons ☐Yards NET WEIGHT: ☐Tons ☐Yards
GENERATOR'S PHONE: 212-353-7570	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non-Hazardous Soil Retaining Wall Comp/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley on behalf of Langan as authorized agent of GPL Development LLC Title: _____

Signature: _____ Date and Time: 08/23/22

TRANSPORTER

Company: LOGITECH Phone Number: _____

Address: _____ Truck # and License Plate: 05 NJ AW689L

Driver: CARLOS Erazo SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 08/23/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8/23/22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2893258

	Date	Time	Scale
In:	08/23/2022	11:49:48	CEC
Out:	08/23/2022	11:49:48	CEC

Manifest: 2628210
Vehicle: 07DRV48
Decal:

	Lbs.	Tns
Gross:	81,460	40.73
Tare:	28,480	14.24
Net:	52,980	26.49

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: Logitech Transport, LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth™

Manifest # 2628210

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St, Commercial St, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non-Hazardous Soil Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan as authorized agent on behalf of GPL Development Title:

Signature: [signature] Date and Time: 08/23/22

TRANSPORTER

Company: DRV (aka Logitech) Phone Number: AF 08/23/22

Address: Truck # and License Plate: 48 NJ ~~Ax~~ Ax 790U

Driver: x Ruben (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/23/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8.23.22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time:

GENERATOR

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2892862

	Date	Time	Scale
In:	08/24/2022	10:05:20	CEC
Out:	08/24/2022	10:05:20	CEC

Manifest: 2628211
Vehicle: 07JC30
Decal:

	Lbs.	Tns
Gross:	80,240	40.12
Tare:	30,360	15.18
Net:	49,880	24.94

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628211

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐ Tons ☐ Yards	
GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222	TARE WEIGHT: ☐ Tons ☐ Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil Retaining Wall COMPLEX

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan as authorized agent on behalf of GPL Development LLC Title:

Signature: Date and Time: 08/24/22

TRANSPORTER

Company: J.C. TRANSPORT Phone Number:

Address: Truck # and License Plate: 30 NJ AT7784

Driver: x ANDREW ZANGARONI SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 08/24/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8.24.22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2894268

	Date	Time	Scale
In:	08/24/2022	10:18:28	CEC
Out:	08/24/2022	10:18:28	CEC

Manifest: 2628212
Vehicle: 07JC43
Decal:

	Lbs.	Tns
Gross:	73,460	36.73
Tare:	29,400	14.70
Net:	44,060	22.03

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth™

Manifest # 2628212

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St, Commercial St, Brooklyn NY 11222	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall Comp/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan as authorized agent on behalf of GPL Development LLC Title:

Signature: [signature] Date and Time: 08/24/22

TRANSPORTER

Company: JG Phone Number:

Address: Truck # and License Plate: 43 NJ AW463F

Driver: x Sandra Tinedo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: x [signature] Date and Time: 08/24/22 7:00 am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 8/24/22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time:

GENERATOR

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2894941

	Date	Time	Scale
In:	08/24/2022	14:19:29	CEC
Out:	08/24/2022	14:19:29	CEC

Manifest: 2628213
Vehicle: 07JC30
Decal:

	Lbs.	Tns
Gross:	74,500	37.25
Tare:	30,360	15.18
Net:	44,140	22.07

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth™

Manifest # 2628213

GLOBAL JOB NUMBER: 1003048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-255-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall COMP/GI

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley of Langan as authorized agent on behalf of GPL Development LLC Title: _____

Signature: _____ Date and Time: 05/24/22

TRANSPORTER

Company: JC TRANSPORT Phone Number: _____

Address: _____ Truck # and License Plate: 30 NJ AT7784

Driver: X ANDERSON ZANGARONI SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X _____ Date and Time: 05/24/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 5/24/22.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2894953

	Date	Time	Scale
In:	08/24/2022	14:23:17	CEC
Out:	08/24/2022	14:23:17	CEC

Manifest: 2628214
Vehicle: 07JC43
Decal:

	Lbs.	Tns
Gross:	74,920	37.46
Tare:	29,400	14.70
Net:	45,520	22.76

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Jesus Serrano

CleanEarth

Manifest # 2628214

GLOBAL JOB NUMBER: 1065048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Ashley on behalf of GPL Development LLC as authorized agent Title:

Signature: Date and Time: 08/24/22

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: 43 NJ AW463F

Driver: X Sandro Tinoco SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X Date and Time: 08/24/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 8-24-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2897871

	Date	Time	Scale
In:	08/29/2022	12:36:30	CEC
Out:	08/29/2022	12:36:30	CEC

	Lbs.	Tns
Gross:	80,960	40.48
Tare:	28,480	14.24
Net:	52,480	26.24

Manifest: 2567537
Vehicle: 07JC37
Decal:

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

Time in - 8:30
Time out - 11:00

CleanEarth

Manifest # 2567537

GLOBAL JOB NUMBER: 100548 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPI Development LLC 45 Commercial Street, Brooklyn NY	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Retaining Wall Comp / G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Gutknecht of Langan as authorized agent of GPI Development LLC Title: Field

Signature: [signature] Date and Time: 8/29/22 - 08:30

TRANSPORTER

Company: JC TRANSPORT Phone Number:

Address: 43 PORETE AV. NO. ARLING Truck # and License Plate: TK#39 AX384K

Driver: SERGIU RIGHICO SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 08/29/22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 08/29/22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time:

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2907732

	Date	Time	Scale
In:	09/09/2022	13:38:12	CEC
Out:	09/09/2022	13:38:12	CEC

Manifest: 2639732
Vehicle: 07JC43
Decal:

	Lbs.	Tns
Gross:	41,840	20.92
Tare:	29,400	14.70
Net:	12,440	6.22

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth™ waiting time Front 11:40 12

Manifest # 2639732

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St	GROSS WEIGHT: ☒ Tons ☐ Yards	
Commercial St	TARE WEIGHT: ☒ Tons ☐ Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall COMP/G1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Yaskira Mata of Langan as authorized agent of GPL Development Title: Engineer Staff

Signature: [signature] Date and Time: _____

TRANSPORTER

Company: Sctransport Phone Number: _____

Address: 34 Pierce Ave Truck # and License Plate: #43 AW463F

Driver: J. Epinen SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-9-22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9-9-22

GENERATOR

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2926734

	Date	Time	Scale
In:	09/28/2022	10:50:25	CEC
Out:	09/28/2022	10:50:25	CEC

Manifest: 2628219
Vehicle: 07jc55
Decal:

	Lbs.	Tns
Gross:	88,240	44.12
Tare:	29,720	14.86
Net:	58,520	29.26

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Kaisheen Highsmith

CleanEarth

Manifest # 2628219

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐ Tons ☐ Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐ Tons ☐ Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall Comp/G1

MEP Trench Comp-1/G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Brian Kennealy Title: Largon as authorized agent of GPL Development LLC

Signature: [signature] Date and Time: 9/28/22

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: AX-227E #55

Driver: Tomo Comba SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 9-28-22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 9.28.22

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2927987

	Date	Time	Scale
In:	09/29/2022	09:52:38	CEC
Out:	09/29/2022	09:52:38	CEC

Manifest: 2628220
Vehicle: 07JC42
Decal:

	Lbs.	Tns
Gross:	88,700	44.35
Tare:	29,980	14.99
Net:	58,720	29.36

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628220

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☒ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall Comp/G1
MEP Trench Comp-1/G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Brian Kennealy Title: Langan as authorized agent of GPL Development LLC

Signature: Date and Time: 9/29/22

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: T12 NJ-AN594B

Driver: Anthony Garcia SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9 29 22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/29/22

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2929368

	Date	Time	Scale
In:	09/29/2022	14:35:56	CEC
Out:	09/29/2022	14:35:56	CEC

Manifest: 2628221
Vehicle: 07JC42
Decal:

	Lbs.	Tns
Gross:	65,600	32.80
Tare:	29,980	14.99
Net:	35,620	17.81

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628221

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St Commercial St Brooklyn NY 11222	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-1570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Retaining Wall COMP/G1
MEP Trench COMP-1/G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Harrison Blueglove Title: Agent & authorized agt of GPL Development LLC

Signature: Date and Time: 9/29/22 12:30

TRANSPORTER

Company: JC Transport Phone Number:

Address: Truck # and License Plate: 47 NJ GW544B

Driver: Ambiorix Cocco SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 9/29/22

GENERATOR

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2952563

	Date	Time	Scale
In:	10/25/2022	10:10:08	Manual
Out:	10/25/2022	10:10:08	Manual

Manifest: 2628217
Vehicle: 07d&a15
Decal:

	Lbs.	Tns
Gross:	88,460	44.23
Tare:	29,020	14.51
Net:	59,440	29.72

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth™

Manifest # 2628217

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 713072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:
GPR Development LLC / Commercial St
Commercial St
Brooklyn NY 11222
GENERATOR'S PHONE: 212-355-1510

GROSS WEIGHT: ☐Tons ☐Yards
TARE WEIGHT: ☐Tons ☐Yards
NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil
MEP Trench Comp-1 / G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Godnick of Larson as authorized agent of GPR Development LLC
Title: Field
Signature: [signature]
Date and Time: 10/25/22 -

TRANSPORTER

Company: DNA
Phone Number: 973-808-8900
Address:
Truck # and License Plate: # 15 AW410R
Driver: Scott
(Type or Print Clearly)
SW Haulers Permit #:
(applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 10-25-22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 10-25-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 10.25.22

GENERATOR

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2953975

	Date	Time	Scale
In:	10/25/2022	16:22:58	CEC
Out:	10/25/2022	16:22:58	CEC

Manifest: 2628218
Vehicle: 07d&a15
Decal:

	Lbs.	Tns
Gross:	92,840	46.42
Tare:	29,020	14.51
Net:	63,820	31.91

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: D&A Contracting LLC
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628218

GLOBAL JOB NUMBER: 1205048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

MEP Trench Comp-1 / G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Tyler Goodchild of Langan as authorized agent of GPL Development LLC Title: Field

Signature: _____ Date and Time: 10/25/22 - 12:30

TRANSPORTER

Company: DNA Phone Number: 973-808-8900

Address: _____ Truck # and License Plate: #15 AW-410R

Driver: Scott SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-25-22

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-25-22

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10 1502

GENERATOR

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2953527

	Date	Time	Scale
In:	10/26/2022	12:43:38	CEC
Out:	10/26/2022	12:43:38	CEC

Manifest: 2628222
Vehicle: 07JC34
Decal:

	Lbs.	Tns
Gross:	88,120	44.06
Tare:	29,980	14.99
Net:	58,140	29.07

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Jesus Serrano

CleanEarth™

Manifest # 2628222

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072250

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GPL Development LLC / Commercial St	GROSS WEIGHT: ☐Tons ☐Yards	
Commercial St	TARE WEIGHT:	
Brooklyn NY 11222	☐Tons ☐Yards	
GENERATOR'S PHONE: 212-355-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

MEP Trench Comp-1 / G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Nimesh Ranagarathnam of Langan as authorized agent of GPL Development LLC

Title: Staff Engineer

Signature: [signature]

Date and Time: Oct 26, 2022

TRANSPORTER

Company: JC transport

Phone Number:

Address:

Truck # and License Plate: AT782U #34

Driver: Allison Ferreira

SW Haulers Permit #:

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 2954992

	Date	Time	Scale
In:	10/26/2022	13:43:09	CEC
Out:	10/26/2022	13:43:09	CEC

Manifest: 2628223
Vehicle: 07JC42
Decal:

	Lbs.	Tns
Gross:	91,060	45.53
Tare:	29,980	14.99
Net:	61,080	30.54

Customer: Monadnock Construction Inc
Generator: H1H2 Owner LLC
Address: 535 Madison Avenue
NEW YORK, NY 10022

Carrier: JC Trans
Profile #: 213072250
Job: Greenpoint Landing H1H2
Address: 35 Commercial Street
BROOKLYN, NY 11222

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2628223

GLOBAL JOB NUMBER: 1005048 **FACILITY APPROVAL NUMBER:** 213072750

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
GPL Development LLC / Commercial St		
Commercial St	TARE WEIGHT: ☐Tons ☐Yards	
Brooklyn NY 11222		
GENERATOR'S PHONE: 212-353-7570	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

NEP Trench Comp-1/G-1

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Witness Representative for GPL Development LLC as agent for GPL Development LLC Title: Site Engineer

Signature: _____ Date and Time: Oct 26, 2021

TRANSPORTER

Company: JC Transport Phone Number: _____

Address: _____ Truck # and License Plate: 42 NJ AWS448

Driver: Anthony Bruce SW Haulers Permit #: _____

APPENDIX K

DOCUMENTATION AND CONFIRMATION SAMPLE ANALYTICAL LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2141429
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/12/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2141429-01	EP01_2	SOIL	BROOKLYN, NY	08/03/21 10:34	08/03/21
L2141429-02	EP02_2	SOIL	BROOKLYN, NY	08/03/21 10:45	08/03/21
L2141429-03	PFB01_080321	WATER	BROOKLYN, NY	08/03/21 11:00	08/03/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429
Project Number: 170229024 **Report Date:** 08/12/21

Case Narrative (continued)

Report Submission
August 12, 2021: This final report includes the results of all requested analyses.
August 10, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt
L2141429-01: The sample identified as "EP01_2" on the chain of custody was identified as "EP01" on the container label. At the client's request, the sample is reported as "EP01_2".
L2141429-02: The sample identified as "EP02_2" on the chain of custody was identified as "EP02" on the container label. At the client's request, the sample is reported as "EP02_2".

Semivolatile Organics
The WG1532046-2 LCS recovery, associated with L2141429-01 and -02, is below the acceptance criteria for benzoic acid (8%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Perfluorinated Alkyl Acids by Isotope Dilution
L2141429-02: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
The WG1531787-2 LCS recovery, associated with L2141429-01 and -02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (143%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.
WG1533349: An LCS/LCSD was performed in lieu of a Matrix Spike and Laboratory Duplicate due to insufficient sample volume available for analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

Case Narrative (continued)

Pesticides

L2141429-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene (240%) was above the acceptance criteria on column B; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recovery is outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%) due to interference with the Internal Standard.

Total Metals

L2141429-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1531908-5 Soluble MS recovery for chromium, hexavalent (52%), performed on L2141710-01, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 87%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/12/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:14
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.19	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	0.97		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:40
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.31	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	0.24	J	ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1532257-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1532257-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1532257-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1532257-3 WG1532257-4								
Methylene chloride	86		87		70-130	1		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	94		94		70-130	0		30
Carbon tetrachloride	97		97		70-130	0		30
1,2-Dichloropropane	91		93		70-130	2		30
Dibromochloromethane	105		106		70-130	1		30
1,1,2-Trichloroethane	100		101		70-130	1		30
Tetrachloroethene	110		110		70-130	0		30
Chlorobenzene	105		106		70-130	1		30
Trichlorofluoromethane	105		101		70-139	4		30
1,2-Dichloroethane	95		95		70-130	0		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	100		102		70-130	2		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
1,1-Dichloropropene	94		96		70-130	2		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	98		100		70-130	2		30
Benzene	93		93		70-130	0		30
Toluene	98		98		70-130	0		30
Ethylbenzene	102		102		70-130	0		30
Chloromethane	64		66		52-130	3		30
Bromomethane	95		93		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1532257-3 WG1532257-4								
Vinyl chloride	82		84		67-130	2		30
Chloroethane	97		95		50-151	2		30
1,1-Dichloroethene	88		90		65-135	2		30
trans-1,2-Dichloroethene	93		94		70-130	1		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	110		111		70-130	1		30
1,3-Dichlorobenzene	114		114		70-130	0		30
1,4-Dichlorobenzene	110		112		70-130	2		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	108		107		70-130	1		30
cis-1,2-Dichloroethene	95		97		70-130	2		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		109		70-130	1		30
Dichlorodifluoromethane	62		62		30-146	0		30
Acetone	83		86		54-140	4		30
Carbon disulfide	76		77		59-130	1		30
2-Butanone	**68**	Q	**69**	Q	70-130	1		30
Vinyl acetate	84		86		70-130	2		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	83		86		70-130	4		30
Bromochloromethane	102		102		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1532257-3 WG1532257-4								
2,2-Dichloropropane	95		94		70-130	1		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	106		105		70-130	1		30
Bromobenzene	109		109		70-130	0		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	105		106		70-130	1		30
o-Chlorotoluene	83		84		70-130	1		30
p-Chlorotoluene	101		102		70-130	1		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30
Hexachlorobutadiene	114		115		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	110		110		70-130	0		30
Naphthalene	105		108		70-130	3		30
Acrylonitrile	77		81		70-130	5		30
n-Propylbenzene	104		105		70-130	1		30
1,2,3-Trichlorobenzene	116		118		70-130	2		30
1,2,4-Trichlorobenzene	122		124		70-130	2		30
1,3,5-Trimethylbenzene	103		105		70-130	2		30
1,2,4-Trimethylbenzene	105		105		70-130	0		30
1,4-Dioxane	79		81		65-136	3		30
p-Diethylbenzene	112		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1532257-3 WG1532257-4								
p-Ethyltoluene	106		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	111		113		70-130	2		30
Ethyl ether	88		89		67-130	1		30
trans-1,4-Dichloro-2-butene	95		97		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/21 19:58
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	48	J	ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	5000		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	570		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	810		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	110	J	ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	2700		ug/kg	100	20.	1
Benzo(a)pyrene	2200		ug/kg	140	43.	1
Benzo(b)fluoranthene	2800		ug/kg	100	30.	1
Benzo(k)fluoranthene	860		ug/kg	100	28.	1
Chrysene	2600		ug/kg	100	18.	1
Acenaphthylene	160		ug/kg	140	27.	1
Anthracene	1000		ug/kg	100	34.	1
Benzo(ghi)perylene	1400		ug/kg	140	21.	1
Fluorene	380		ug/kg	180	17.	1
Phenanthrene	4000		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	380		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	140	24.	1
Pyrene	4700		ug/kg	100	17.	1
Biphenyl	93	J	ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	350		ug/kg	180	17.	1
2-Methylnaphthalene	360		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	41	J	ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	350		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	75		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 01:27
Analyst: HT
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.520	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.520	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.520	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.520	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.520	0.142	1
Perfluorononanoic Acid (PFNA)	0.097	J	ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.300		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.520	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.520	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.520	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.520	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.520	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.520	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.520	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.520	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.520	0.056	1
PFOA/PFOS, Total	0.300		ng/g	0.260	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/21 20:22
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	490		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	68	J	ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	5200		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	800		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	830		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	2700		ug/kg	110	21.	1
Benzo(a)pyrene	2300		ug/kg	150	46.	1
Benzo(b)fluoranthene	3000		ug/kg	110	32.	1
Benzo(k)fluoranthene	760		ug/kg	110	30.	1
Chrysene	2600		ug/kg	110	19.	1
Acenaphthylene	170		ug/kg	150	29.	1
Anthracene	1100		ug/kg	110	36.	1
Benzo(ghi)perylene	1400		ug/kg	150	22.	1
Fluorene	560		ug/kg	190	18.	1
Phenanthrene	4500		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	410		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	26.	1
Pyrene	4700		ug/kg	110	19.	1
Biphenyl	100	J	ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	400		ug/kg	190	18.	1
2-Methylnaphthalene	520		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	76	J	ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	360		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	76		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 01:44
Analyst: HT
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.531	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.531	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.265	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.531	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.265	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.265	0.064	1
Perfluorooctanoic Acid (PFOA)	0.061	J	ng/g	0.265	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.531	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.531	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.265	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.265	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.265	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.531	0.305	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.531	0.214	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.531	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.531	0.162	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.531	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.531	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.531	0.217	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.531	0.057	1
PFOA/PFOS, Total	0.061	J	ng/g	0.265	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/07/21 11:57
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.531	0.104	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-03
Client ID: PFB01_080321
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:00
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/11/21 00:46
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/10/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.82	0.371	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.82	0.360	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.82	0.216	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.82	0.298	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.82	0.205	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.82	0.342	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.82	0.215	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.82	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.82	0.626	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.82	0.284	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.82	0.459	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.82	0.277	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.82	0.590	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.892	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.82	0.528	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.82	0.732	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.338	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.298	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.82	0.226	1
PFOA/PFOS, Total	ND		ng/l	1.82	0.215	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-03 Date Collected: 08/03/21 11:00

Client ID: PFB01_080321 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	56		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/05/21 23:31
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1531787-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/05/21 23:31
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1531787-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	107		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/07/21 11:28
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1531787-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/21 18:46
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/05/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1532046-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/21 18:46
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/05/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1532046-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/21 18:46
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/05/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1532046-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	79		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/10/21 23:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/10/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1533349-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/10/21 23:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/10/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1533349-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	136		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1531787-2					
Perfluorobutanoic Acid (PFBA)	109		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	113		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	112		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	122		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	111		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	124		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	108		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	115		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**143**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	106		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	119		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	137		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	116		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1531787-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	108				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1531787-2					
Perfluorooctanesulfonamide (FOSA)	90		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1532046-2 WG1532046-3								
Acenaphthene	79		81		31-137	3		50
1,2,4-Trichlorobenzene	76		75		38-107	1		50
Hexachlorobenzene	68		69		40-140	1		50
Bis(2-chloroethyl)ether	74		71		40-140	4		50
2-Chloronaphthalene	73		73		40-140	0		50
1,2-Dichlorobenzene	78		71		40-140	9		50
1,3-Dichlorobenzene	75		70		40-140	7		50
1,4-Dichlorobenzene	75		70		28-104	7		50
3,3'-Dichlorobenzidine	60		69		40-140	14		50
2,4-Dinitrotoluene	84		87		40-132	4		50
2,6-Dinitrotoluene	88		90		40-140	2		50
Fluoranthene	81		86		40-140	6		50
4-Chlorophenyl phenyl ether	77		78		40-140	1		50
4-Bromophenyl phenyl ether	74		75		40-140	1		50
Bis(2-chloroisopropyl)ether	97		92		40-140	5		50
Bis(2-chloroethoxy)methane	75		73		40-117	3		50
Hexachlorobutadiene	71		69		40-140	3		50
Hexachlorocyclopentadiene	75		75		40-140	0		50
Hexachloroethane	81		76		40-140	6		50
Isophorone	75		73		40-140	3		50
Naphthalene	75		74		40-140	1		50
Nitrobenzene	83		82		40-140	1		50
NDPA/DPA	80		83		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1532046-2 WG1532046-3								
n-Nitrosodi-n-propylamine	75		72		32-121	4		50
Bis(2-ethylhexyl)phthalate	100		106		40-140	6		50
Butyl benzyl phthalate	101		107		40-140	6		50
Di-n-butylphthalate	89		94		40-140	5		50
Di-n-octylphthalate	104		109		40-140	5		50
Diethyl phthalate	82		85		40-140	4		50
Dimethyl phthalate	76		78		40-140	3		50
Benzo(a)anthracene	83		86		40-140	4		50
Benzo(a)pyrene	79		86		40-140	8		50
Benzo(b)fluoranthene	79		84		40-140	6		50
Benzo(k)fluoranthene	80		88		40-140	10		50
Chrysene	78		81		40-140	4		50
Acenaphthylene	74		74		40-140	0		50
Anthracene	80		84		40-140	5		50
Benzo(ghi)perylene	79		83		40-140	5		50
Fluorene	80		82		40-140	2		50
Phenanthrene	80		83		40-140	4		50
Dibenzo(a,h)anthracene	77		81		40-140	5		50
Indeno(1,2,3-cd)pyrene	76		81		40-140	6		50
Pyrene	80		86		35-142	7		50
Biphenyl	76		76		37-127	0		50
4-Chloroaniline	49		55		40-140	12		50
2-Nitroaniline	93		96		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1532046-2 WG1532046-3								
3-Nitroaniline	76		84		26-129	10		50
4-Nitroaniline	94		97		41-125	3		50
Dibenzofuran	78		79		40-140	1		50
2-Methylnaphthalene	72		73		40-140	1		50
1,2,4,5-Tetrachlorobenzene	72		73		40-117	1		50
Acetophenone	76		73		14-144	4		50
2,4,6-Trichlorophenol	79		80		30-130	1		50
p-Chloro-m-cresol	78		81		26-103	4		50
2-Chlorophenol	90		86		25-102	5		50
2,4-Dichlorophenol	88		86		30-130	2		50
2,4-Dimethylphenol	84		82		30-130	2		50
2-Nitrophenol	118		118		30-130	0		50
4-Nitrophenol	105		111		11-114	6		50
2,4-Dinitrophenol	86		97		4-130	12		50
4,6-Dinitro-o-cresol	103		107		10-130	4		50
Pentachlorophenol	54		60		17-109	11		50
Phenol	81		78		26-90	4		50
2-Methylphenol	86		86		30-130.	0		50
3-Methylphenol/4-Methylphenol	85		83		30-130	2		50
2,4,5-Trichlorophenol	82		82		30-130	0		50
Benzoic Acid	**8**	Q	16		10-110	**72**	Q	50
Benzyl Alcohol	84		81		40-140	4		50
Carbazole	80		85		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1532046-2 WG1532046-3								
1,4-Dioxane	50		44		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		79		25-120
Phenol-d6	79		77		10-120
Nitrobenzene-d5	81		78		23-120
2-Fluorobiphenyl	68		67		30-120
2,4,6-Tribromophenol	68		71		10-136
4-Terphenyl-d14	74		78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1533349-2 WG1533349-3								
Perfluorobutanoic Acid (PFBA)	123		124		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	119		119		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	124		123		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	125		127		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	120		123		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	122		115		69-177	6		30
Perfluorooctanoic Acid (PFOA)	125		125		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	127		136		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	136		137		61-179	1		30
Perfluorononanoic Acid (PFNA)	126		124		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	129		128		52-151	1		30
Perfluorodecanoic Acid (PFDA)	118		127		63-171	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	152		153		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	129		151		60-166	16		30
Perfluoroundecanoic Acid (PFUnA)	120		120		60-153	0		30
Perfluorodecanesulfonic Acid (PFDS)	129		130		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	119		124		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	119		116		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	126		122		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	130		135		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	128		132		59-182	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1533349-2 WG1533349-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		108		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		90		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		90		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	136		136		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		98		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		122		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		102		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		31		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		115		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		92		22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531787-3 WG1531787-4 QC Sample: L2141089-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.14	5.65	110		6.06	112		71-135	7		30
Perfluoropentanoic Acid (PFPeA)	ND	5.14	5.90	115		6.26	115		69-132	6		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.56	5.03	110		5.31	110		72-128	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.81	6.27	130		6.83	134		62-145	9		30
Perfluorohexanoic Acid (PFHxA)	ND	5.14	5.88	114		6.25	115		70-132	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.83	4.59	95		5.21	102		73-123	13		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.14	5.63	110		6.00	110		71-131	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.69	4.94	105		5.60	113		67-130	13		30
Perfluorooctanoic Acid (PFOA)	0.057J	5.14	5.63	109		6.09	111		69-133	8		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.89	5.94	121		6.41	124		64-140	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.89	5.51	113		6.22	120		70-132	12		30
Perfluorononanoic Acid (PFNA)	ND	5.14	5.55	108		5.88	108		72-129	6		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.77	5.32	112		5.71	113		68-136	7		30
Perfluorodecanoic Acid (PFDA)	ND	5.14	5.57	108		5.88	108		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.93	6.41	130		7.00	134		65-137	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.94	5.44	110		5.64	108		69-125	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.14	5.46	106		6.41	118		63-144	16		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.14	5.72	111		5.96	110		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.95	5.83	118		6.26	120		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	5.14	5.25	102		6.58F	121		67-137	22		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.14	5.26	102		6.27	115		61-139	18		30
Perfluorododecanoic Acid (PFDoA)	ND	5.14	6.16	120		6.58	121		69-135	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531787-3 WG1531787-4 QC Sample: L2141089-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.14	7.35	**143**	Q	7.58	**140**	Q	66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.14	5.90	115		6.32	116		69-133	7		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		87		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	66		63		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		94		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		63		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		90		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		88		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		93		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		92		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		81		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		**4**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		95		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		86		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		91		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		96		74-139

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 10:30
Analyst: JAW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 15:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.58	1	A
Aroclor 1242	ND		ug/kg	35.7	4.82	1	A
Aroclor 1248	ND		ug/kg	35.7	5.36	1	A
Aroclor 1254	ND		ug/kg	35.7	3.91	1	A
Aroclor 1260	24.2	J	ug/kg	35.7	6.61	1	A
Aroclor 1262	ND		ug/kg	35.7	4.54	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	24.2	J	ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 10:37
Analyst: JAW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 15:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.94	1	A
Aroclor 1242	ND		ug/kg	37.5	5.05	1	A
Aroclor 1248	ND		ug/kg	37.5	5.62	1	A
Aroclor 1254	23.5	J	ug/kg	37.5	4.10	1	A
Aroclor 1260	30.9	J	ug/kg	37.5	6.92	1	A
Aroclor 1262	ND		ug/kg	37.5	4.76	1	A
Aroclor 1268	9.40	J	ug/kg	37.5	3.88	1	B
PCBs, Total	63.8	J	ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/06/21 09:55
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 08/05/21 15:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1532013-1						
Aroclor 1016	ND		ug/kg	31.6	2.80	A
Aroclor 1221	ND		ug/kg	31.6	3.16	A
Aroclor 1232	ND		ug/kg	31.6	6.69	A
Aroclor 1242	ND		ug/kg	31.6	4.26	A
Aroclor 1248	ND		ug/kg	31.6	4.73	A
Aroclor 1254	ND		ug/kg	31.6	3.45	A
Aroclor 1260	ND		ug/kg	31.6	5.83	A
Aroclor 1262	ND		ug/kg	31.6	4.01	A
Aroclor 1268	ND		ug/kg	31.6	3.27	A
PCBs, Total	ND		ug/kg	31.6	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	51		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1532013-2 WG1532013-3									
Aroclor 1016	63		66		40-140	5		50	A
Aroclor 1260	59		60		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	A
Decachlorobiphenyl	56		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		65		30-150	B
Decachlorobiphenyl	56		56		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/07/21 17:29
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.943	1	A
Endrin	ND		ug/kg	0.698	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.733	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	3.67	IP	ug/kg	1.68	0.388	1	B
4,4'-DDD	17.8	P	ug/kg	1.68	0.598	1	A
4,4'-DDT	7.69		ug/kg	3.14	1.35	1	B
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.698	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	1.76	JP	ug/kg	2.10	0.584	1	A
trans-Chlordane	2.88	P	ug/kg	2.10	0.553	1	A
Chlordane	22.4	P	ug/kg	14.0	5.55	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01 Date Collected: 08/03/21 10:34

Client ID: EP01_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 10:52
Analyst: AR
Percent Solids: 92%
Methylation Date: 08/05/21 19:44

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 01:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.45	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	102		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/07/21 17:42
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.762	0.341	1	A
Alpha-BHC	ND		ug/kg	0.762	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.915	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.762	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.801	1	A
Endrin ketone	ND		ug/kg	1.83	0.471	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	6.58	P	ug/kg	1.83	0.423	1	A
4,4'-DDD	14.7	P	ug/kg	1.83	0.653	1	A
4,4'-DDT	9.98	P	ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.762	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.61	1	A
cis-Chlordane	1.01	JP	ug/kg	2.29	0.637	1	A
trans-Chlordane	2.45	IP	ug/kg	2.29	0.604	1	A
Chlordane	26.8	P	ug/kg	15.2	6.06	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02 Date Collected: 08/03/21 10:45

Client ID: EP02_2 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 11:10
Analyst: AR
Percent Solids: 87%
Methylation Date: 08/05/21 19:44

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 01:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	125		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/06/21 11:19
Analyst: JWL

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 01:34

Methylation Date: 08/05/21 19:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1531679-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	97		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/07/21 16:51
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1532090-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.666	0.298	A
Alpha-BHC	ND		ug/kg	0.666	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.606	A
Heptachlor	ND		ug/kg	0.799	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	3.00	0.899	A
Endrin	ND		ug/kg	0.666	0.273	A
Endrin aldehyde	ND		ug/kg	2.00	0.699	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.999	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.370	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	3.00	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.666	0.317	A
Methoxychlor	ND		ug/kg	3.00	0.932	A
Toxaphene	ND		ug/kg	30.0	8.39	A
cis-Chlordane	ND		ug/kg	2.00	0.556	A
trans-Chlordane	ND		ug/kg	2.00	0.527	A
Chlordane	ND		ug/kg	13.3	5.29	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/07/21 16:51
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1532090-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	114		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1531679-2 WG1531679-3									
2,4-D	104		107		30-150	3		30	A
2,4,5-T	96		102		30-150	6		30	A
2,4,5-TP (Silvex)	100		102		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		109		30-150	A
DCAA	103		104		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1532090-2 WG1532090-3									
Delta-BHC	82		87		30-150	6		30	A
Lindane	81		86		30-150	6		30	A
Alpha-BHC	85		90		30-150	6		30	A
Beta-BHC	76		76		30-150	0		30	A
Heptachlor	80		82		30-150	2		30	A
Aldrin	82		82		30-150	0		30	A
Heptachlor epoxide	82		80		30-150	2		30	A
Endrin	82		87		30-150	6		30	A
Endrin aldehyde	44		50		30-150	13		30	A
Endrin ketone	70		80		30-150	13		30	A
Dieldrin	86		89		30-150	3		30	A
4,4'-DDE	82		84		30-150	2		30	A
4,4'-DDD	84		89		30-150	6		30	A
4,4'-DDT	73		78		30-150	7		30	A
Endosulfan I	77		78		30-150	1		30	A
Endosulfan II	78		83		30-150	6		30	A
Endosulfan sulfate	60		68		30-150	13		30	A
Methoxychlor	63		67		30-150	6		30	A
cis-Chlordane	67		69		30-150	3		30	A
trans-Chlordane	91		85		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1532090-2 WG1532090-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		83		30-150	A
Decachlorobiphenyl	83		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		82		30-150	B
Decachlorobiphenyl	95		100		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3220		mg/kg	8.17	2.20	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Antimony, Total	0.604	J	mg/kg	4.08	0.310	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Arsenic, Total	15.7		mg/kg	0.817	0.170	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Barium, Total	134		mg/kg	0.817	0.142	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Beryllium, Total	0.229	J	mg/kg	0.408	0.027	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Cadmium, Total	0.874		mg/kg	0.817	0.080	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Calcium, Total	73400		mg/kg	81.7	28.6	20	08/04/21 21:11	08/06/21 18:18	EPA 3050B	1,6010D	JC
Chromium, Total	15.7		mg/kg	0.817	0.078	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Cobalt, Total	7.08		mg/kg	1.63	0.136	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Copper, Total	118		mg/kg	0.817	0.211	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Iron, Total	13500		mg/kg	4.08	0.737	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Lead, Total	483		mg/kg	4.08	0.219	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Magnesium, Total	22700		mg/kg	8.17	1.26	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Manganese, Total	204		mg/kg	0.817	0.130	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Mercury, Total	0.335		mg/kg	0.073	0.047	1	08/04/21 22:12	08/05/21 14:38	EPA 7471B	1,7471B	OU
Nickel, Total	15.0		mg/kg	2.04	0.198	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Potassium, Total	516		mg/kg	204	11.8	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Selenium, Total	1.31	J	mg/kg	1.63	0.211	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.817	0.231	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Sodium, Total	256		mg/kg	163	2.57	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Vanadium, Total	21.1		mg/kg	0.817	0.166	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
Zinc, Total	380		mg/kg	4.08	0.239	2	08/04/21 21:11	08/05/21 14:04	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.87	0.87	1		08/09/21 16:21	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3360		mg/kg	9.12	2.46	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Antimony, Total	0.921	J	mg/kg	4.56	0.347	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Arsenic, Total	14.4		mg/kg	0.912	0.190	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Barium, Total	118		mg/kg	0.912	0.159	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Beryllium, Total	0.474		mg/kg	0.456	0.030	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Cadmium, Total	0.976		mg/kg	0.912	0.089	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Calcium, Total	88000		mg/kg	91.2	31.9	20	08/04/21 21:11	08/06/21 18:23	EPA 3050B	1,6010D	VL
Chromium, Total	16.1		mg/kg	0.912	0.088	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Cobalt, Total	10.7		mg/kg	1.82	0.151	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Copper, Total	174		mg/kg	0.912	0.235	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Iron, Total	16400		mg/kg	4.56	0.824	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Lead, Total	320		mg/kg	4.56	0.244	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Magnesium, Total	33200		mg/kg	9.12	1.40	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Manganese, Total	190		mg/kg	0.912	0.145	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Mercury, Total	0.279		mg/kg	0.077	0.050	1	08/04/21 22:12	08/05/21 14:42	EPA 7471B	1,7471B	OU
Nickel, Total	22.8		mg/kg	2.28	0.221	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Potassium, Total	612		mg/kg	228	13.1	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Selenium, Total	1.43	J	mg/kg	1.82	0.235	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.912	0.258	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Sodium, Total	206		mg/kg	182	2.87	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.82	0.287	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Vanadium, Total	24.7		mg/kg	0.912	0.185	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
Zinc, Total	462		mg/kg	4.56	0.267	2	08/04/21 21:11	08/05/21 14:09	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.92	0.92	1		08/09/21 16:22	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141429

Project Number: 170229024 **Report Date:** 08/12/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1531624-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Chromium, Total	0.128	J	mg/kg	0.400	0.038	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Iron, Total	0.680	J	mg/kg	2.00	0.361	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Potassium, Total	ND		mg/kg	100	5.76	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Sodium, Total	2.45	J	mg/kg	80.0	1.26	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Vanadium, Total	0.128	J	mg/kg	0.400	0.081	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1531626-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/04/21 22:12	08/05/21 13:11	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1531624-2 SRM Lot Number: D109-540								
Aluminum, Total	57		-		50-150	-		
Antimony, Total	124		-		19-250	-		
Arsenic, Total	86		-		70-130	-		
Barium, Total	79		-		75-125	-		
Beryllium, Total	83		-		75-125	-		
Cadmium, Total	83		-		75-125	-		
Calcium, Total	79		-		73-128	-		
Chromium, Total	81		-		70-130	-		
Cobalt, Total	85		-		75-125	-		
Copper, Total	85		-		75-125	-		
Iron, Total	76		-		35-165	-		
Lead, Total	82		-		72-128	-		
Magnesium, Total	74		-		62-138	-		
Manganese, Total	82		-		74-126	-		
Nickel, Total	84		-		70-130	-		
Potassium, Total	73		-		59-141	-		
Selenium, Total	86		-		68-132	-		
Silver, Total	84		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	85		-		68-131	-		
Vanadium, Total	80		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1531624-2 SRM Lot Number: D109-540					
Zinc, Total	86	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1531626-2 SRM Lot Number: D109-540					
Mercury, Total	98	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531624-3 QC Sample: L2141428-01 Client ID: MS Sample												
Aluminum, Total	16200	208	12100	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	51.9	44.9	86		-	-		75-125	-		20
Arsenic, Total	34.0	12.4	46.4	100		-	-		75-125	-		20
Barium, Total	74.2	208	234	77		-	-		75-125	-		20
Beryllium, Total	0.702	5.19	5.29	88		-	-		75-125	-		20
Cadmium, Total	8.96	5.5	15.7	122		-	-		75-125	-		20
Calcium, Total	10700	1040	6350	**0**	Q	-	-		75-125	-		20
Chromium, Total	16.8	20.8	31.6	**71**	Q	-	-		75-125	-		20
Cobalt, Total	11.6	51.9	58.3	90		-	-		75-125	-		20
Copper, Total	144	25.9	281	**528**	Q	-	-		75-125	-		20
Iron, Total	9820	104	9110	**0**	Q	-	-		75-125	-		20
Lead, Total	46.4	55	78.9	**59**	Q	-	-		75-125	-		20
Magnesium, Total	496	1040	1190	**67**	Q	-	-		75-125	-		20
Manganese, Total	59.4	51.9	80.2	**40**	Q	-	-		75-125	-		20
Nickel, Total	23.1	51.9	67.3	85		-	-		75-125	-		20
Potassium, Total	647	1040	1410	**74**	Q	-	-		75-125	-		20
Selenium, Total	1.51J	12.4	14.1	113		-	-		75-125	-		20
Silver, Total	ND	31.1	28.8	92		-	-		75-125	-		20
Sodium, Total	213J	1040	1130	109		-	-		75-125	-		20
Thallium, Total	ND	12.4	10.3	83		-	-		75-125	-		20
Vanadium, Total	25.1	51.9	67.0	81		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531624-3 QC Sample: L2141428-01 Client ID: MS Sample										
Zinc, Total	170	51.9	209	75		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531626-3 QC Sample: L2141428-01 Client ID: MS Sample										
Mercury, Total	0.072J	0.185	0.261	**141**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531624-4 QC Sample: L2141428-01 Client ID: DUP Sample						
Aluminum, Total	16200	12600	mg/kg	**25**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	34.0	24.7	mg/kg	**32**	Q	20
Barium, Total	74.2	64.8	mg/kg	14		20
Beryllium, Total	0.702	0.548	mg/kg	**25**	Q	20
Cadmium, Total	8.96	9.90	mg/kg	10		20
Calcium, Total	10700	7740	mg/kg	**32**	Q	20
Chromium, Total	16.8	14.1	mg/kg	17		20
Cobalt, Total	11.6	8.10	mg/kg	**36**	Q	20
Copper, Total	144	108	mg/kg	**29**	Q	20
Iron, Total	9820	6970	mg/kg	**34**	Q	20
Lead, Total	46.4	29.0	mg/kg	**46**	Q	20
Magnesium, Total	496	364	mg/kg	**31**	Q	20
Manganese, Total	59.4	32.7	mg/kg	**58**	Q	20
Nickel, Total	23.1	16.2	mg/kg	**35**	Q	20
Potassium, Total	647	466	mg/kg	**33**	Q	20
Selenium, Total	1.51J	1.18J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	213J	146J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531624-4 QC Sample: L2141428-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	25.1	19.9	mg/kg	**23**	Q	20
Zinc, Total	170	164	mg/kg	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531626-4 QC Sample: L2141428-01 Client ID: DUP Sample						
Mercury, Total	0.072J	0.130	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1531624-6 QC Sample: L2141428-01 Client ID: DUP Sample						
Aluminum, Total	16200	17600	mg/kg	9		20
Arsenic, Total	34.0	36.4	mg/kg	7		20
Barium, Total	74.2	79.9	mg/kg	8		20
Calcium, Total	10700	11700	mg/kg	9		20
Copper, Total	144	156	mg/kg	8		20
Iron, Total	9820	10600	mg/kg	8		20
Magnesium, Total	496	580	mg/kg	17		20
Manganese, Total	59.4	64.7	mg/kg	9		20
Zinc, Total	170	192	mg/kg	13		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-01
Client ID: EP01_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/03/21 10:34
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.868	0.174	1	08/05/21 13:06	08/09/21 16:21	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

SAMPLE RESULTS

Lab ID: L2141429-02
Client ID: EP02_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/03/21 10:45
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.917	0.183	1	08/05/21 13:06	08/09/21 16:22	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1531908-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/05/21 13:06	08/09/21 15:57	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1531908-2								
Chromium, Hexavalent	89		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1531908-4 QC Sample: L2141710-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	816	619	76		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141429

Report Date: 08/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1531453-1 QC Sample: L2141042-01 Client ID: DUP Sample						
Solids, Total	97.9	98.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1531908-6 QC Sample: L2141710-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141429-01A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2141429-01B	Vial water preserved	B	NA		2.2	Y	Absent	04-AUG-21 11:09	NYTCL-8260HLW(14)
L2141429-01C	Vial water preserved	B	NA		2.2	Y	Absent	04-AUG-21 11:09	NYTCL-8260HLW(14)
L2141429-01D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L2141429-01E	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L2141429-01F	Plastic 8oz unpreserved	B	NA		2.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2141429-01G	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2141429-01H	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		HEXCR-7196(30)
L2141429-01I	Glass 500ml/16oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2141429-02A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2141429-02B	Vial water preserved	B	NA		2.2	Y	Absent	04-AUG-21 11:09	NYTCL-8260HLW(14)
L2141429-02C	Vial water preserved	B	NA		2.2	Y	Absent	04-AUG-21 11:09	NYTCL-8260HLW(14)
L2141429-02D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2141429-02E	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L2141429-02F	Plastic 8oz unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2141429-02G	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2141429-02H	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141429
Report Date: 08/12/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141429-02I	Glass 500ml/16oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2141429-03A	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141429
Report Date: 08/12/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141429
Project Number:	170229024	**Report Date:**	08/12/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 08/04/21

ALPHA Job #: L2141429

Client Information
Client: Langan DPC
Address: 360 W. 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals+Hexavalent Cr	PFAS	1,4-Dioxane	Total Bottle	Sample Specific Comments
41429-01	EP01_2	8/3/2021	1034	Soil	YMD	X	X	X	X	X	X	X		
-02	EP02_2	8/3/2021	1045	Soil	YMD	X	X	X	X	X	X	X		
-03	PFB01_080321	8/3/2021	1100	AQ	YMD						X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	8/3/2021 1500		
AAL	8/3/21 18:30	AAL	8/3/21 15:01
AAL	8/4/21 00:55	AAL	8/3/21 21:00
			8/4/21 00:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2141710
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/18/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2141710-01	EP07_2	SOIL	BROOKLYN, NY	08/04/21 08:05	08/04/21
L2141710-02	EP08_2	SOIL	BROOKLYN, NY	08/04/21 08:50	08/04/21
L2141710-03	EP13_2	SOIL	BROOKLYN, NY	08/04/21 11:55	08/04/21
L2141710-04	EP14_2	SOIL	BROOKLYN, NY	08/04/21 13:20	08/04/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710
Project Number: 170229024 **Report Date:** 08/18/21

Case Narrative (continued)

Report Submission
August 18, 2021: This final report includes the results of all requested analyses.
August 12, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution
The WG1531787-2 LCS recovery, associated with L2141710-01 through -04, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (143%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

Pesticides
L2141710-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.
L2141710-01D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals
L2141710-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1531853-3 MS recovery, performed on L2141710-01, is outside the acceptance criteria for mercury (78%). A post digestion spike was performed and was within acceptance criteria.
The WG1531853-4 Laboratory Duplicate RPD for mercury (51%), performed on L2141710-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

Case Narrative (continued)

Hexavalent Chromium

The WG1531908-5 Soluble MS recovery for chromium, hexavalent (52%), performed on L2141710-01, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 87%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 08/18/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 09:05
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	0.19	J	ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 Date Collected: 08/04/21 08:05

Client ID: EP07_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 Date Collected: 08/04/21 08:05

Client ID: EP07_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	110	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 09:31
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55
Client ID: EP13_2 Date Received: 08/04/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 09:57
Analyst: JC
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.84	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.84	0.46	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.78	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.84	0.24	1
Xylenes, Total	ND		ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	0.11	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	ND		ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	ND		ug/kg	8.4	1.9	1
Vinyl acetate	ND		ug/kg	8.4	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.4	0.99	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.84	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.84	0.14	1
sec-Butylbenzene	ND		ug/kg	0.84	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.84	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.09	1
Naphthalene	ND		ug/kg	3.4	0.54	1
Acrylonitrile	ND		ug/kg	3.4	0.96	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.84	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	67	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/21 10:23
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	0.18	J	ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.26	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1532257-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1532257-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 06:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1532257-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1532257-3 WG1532257-4								
Methylene chloride	86		87		70-130	1		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	94		94		70-130	0		30
Carbon tetrachloride	97		97		70-130	0		30
1,2-Dichloropropane	91		93		70-130	2		30
Dibromochloromethane	105		106		70-130	1		30
1,1,2-Trichloroethane	100		101		70-130	1		30
Tetrachloroethene	110		110		70-130	0		30
Chlorobenzene	105		106		70-130	1		30
Trichlorofluoromethane	105		101		70-139	4		30
1,2-Dichloroethane	95		95		70-130	0		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	100		102		70-130	2		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
1,1-Dichloropropene	94		96		70-130	2		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	98		100		70-130	2		30
Benzene	93		93		70-130	0		30
Toluene	98		98		70-130	0		30
Ethylbenzene	102		102		70-130	0		30
Chloromethane	64		66		52-130	3		30
Bromomethane	95		93		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1532257-3 WG1532257-4								
Vinyl chloride	82		84		67-130	2		30
Chloroethane	97		95		50-151	2		30
1,1-Dichloroethene	88		90		65-135	2		30
trans-1,2-Dichloroethene	93		94		70-130	1		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	110		111		70-130	1		30
1,3-Dichlorobenzene	114		114		70-130	0		30
1,4-Dichlorobenzene	110		112		70-130	2		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	108		107		70-130	1		30
cis-1,2-Dichloroethene	95		97		70-130	2		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		109		70-130	1		30
Dichlorodifluoromethane	62		62		30-146	0		30
Acetone	83		86		54-140	4		30
Carbon disulfide	76		77		59-130	1		30
2-Butanone	**68**	Q	**69**	Q	70-130	1		30
Vinyl acetate	84		86		70-130	2		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	83		86		70-130	4		30
Bromochloromethane	102		102		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1532257-3 WG1532257-4								
2,2-Dichloropropane	95		94		70-130	1		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	106		105		70-130	1		30
Bromobenzene	109		109		70-130	0		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	105		106		70-130	1		30
o-Chlorotoluene	83		84		70-130	1		30
p-Chlorotoluene	101		102		70-130	1		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30
Hexachlorobutadiene	114		115		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	110		110		70-130	0		30
Naphthalene	105		108		70-130	3		30
Acrylonitrile	77		81		70-130	5		30
n-Propylbenzene	104		105		70-130	1		30
1,2,3-Trichlorobenzene	116		118		70-130	2		30
1,2,4-Trichlorobenzene	122		124		70-130	2		30
1,3,5-Trimethylbenzene	103		105		70-130	2		30
1,2,4-Trimethylbenzene	105		105		70-130	0		30
1,4-Dioxane	79		81		65-136	3		30
p-Diethylbenzene	112		113		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1532257-3 WG1532257-4								
p-Ethyltoluene	106		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	111		113		70-130	2		30
Ethyl ether	88		89		67-130	1		30
trans-1,4-Dichloro-2-butene	95		97		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/12/21 08:08
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/11/21 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	4100		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	380		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	39	J	ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	390		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 Date Collected: 08/04/21 08:05

Client ID: EP07_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	2000		ug/kg	110	20.	1
Benzo(a)pyrene	2000		ug/kg	140	43.	1
Benzo(b)fluoranthene	2500		ug/kg	110	30.	1
Benzo(k)fluoranthene	730		ug/kg	110	28.	1
Chrysene	2000		ug/kg	110	18.	1
Acenaphthylene	190		ug/kg	140	27.	1
Anthracene	900		ug/kg	110	34.	1
Benzo(ghi)perylene	1300		ug/kg	140	21.	1
Fluorene	440		ug/kg	180	17.	1
Phenanthrene	3400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	320		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	140	25.	1
Pyrene	3700		ug/kg	110	18.	1
Biphenyl	100	J	ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	310		ug/kg	180	17.	1
2-Methylnaphthalene	290		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	29	J	ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	29	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 Date Collected: 08/04/21 08:05

Client ID: EP07_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	300		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	72		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 03:06
Analyst: HT
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.025	J	ng/g	0.498	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.498	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.249	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.498	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.249	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.249	0.060	1
Perfluorooctanoic Acid (PFOA)	0.055	JF	ng/g	0.249	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.498	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.498	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.249	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.151	J	ng/g	0.249	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.249	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.498	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.498	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.498	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.498	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.498	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.498	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.498	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.498	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.498	0.054	1
PFOA/PFOS, Total	0.206	J	ng/g	0.249	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 Date Collected: 08/04/21 08:05

Client ID: EP07_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/12/21 07:21
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/11/21 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1800		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	240		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	35	J	ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	140	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	860		ug/kg	110	20.	1
Benzo(a)pyrene	850		ug/kg	140	44.	1
Benzo(b)fluoranthene	1100		ug/kg	110	30.	1
Benzo(k)fluoranthene	280		ug/kg	110	29.	1
Chrysene	840		ug/kg	110	19.	1
Acenaphthylene	66	J	ug/kg	140	28.	1
Anthracene	390		ug/kg	110	35.	1
Benzo(ghi)perylene	600		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	1500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	640		ug/kg	140	25.	1
Pyrene	1700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	140	J	ug/kg	180	17.	1
2-Methylnaphthalene	180	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	140	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	75		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 03:23
Analyst: HT
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061	1
Perfluorooctanoic Acid (PFOA)	0.051	J	ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.170	J	ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054	1
PFOA/PFOS, Total	0.221	J	ng/g	0.250	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/12/21 08:32
Analyst: IM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/11/21 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	2500		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	330		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	53	J	ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	300		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	35	J	ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	1300		ug/kg	100	19.	1
Benzo(a)pyrene	1100		ug/kg	140	42.	1
Benzo(b)fluoranthene	1500		ug/kg	100	29.	1
Benzo(k)fluoranthene	390		ug/kg	100	28.	1
Chrysene	1200		ug/kg	100	18.	1
Acenaphthylene	120	J	ug/kg	140	26.	1
Anthracene	490		ug/kg	100	34.	1
Benzo(ghi)perylene	770		ug/kg	140	20.	1
Fluorene	260		ug/kg	170	17.	1
Phenanthrene	2000		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	180		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	830		ug/kg	140	24.	1
Pyrene	2300		ug/kg	100	17.	1
Biphenyl	69	J	ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	190		ug/kg	170	16.	1
2-Methylnaphthalene	280		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	30	J	ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	170		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	80		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 03:40
Analyst: HT
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.486	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.486	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.243	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.486	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.243	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.243	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.243	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.486	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.486	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.243	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.243	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.243	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.486	0.279	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.486	0.196	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.486	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.486	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.486	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.486	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.486	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.486	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.486	0.052	1
PFOA/PFOS, Total	ND		ng/g	0.243	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/12/21 07:44
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/11/21 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	52	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	42	J	ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	890		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	260		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	70	J	ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	230		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	580		ug/kg	100	20.	1
Benzo(a)pyrene	630		ug/kg	140	43.	1
Benzo(b)fluoranthene	790		ug/kg	100	30.	1
Benzo(k)fluoranthene	270		ug/kg	100	28.	1
Chrysene	650		ug/kg	100	18.	1
Acenaphthylene	100	J	ug/kg	140	27.	1
Anthracene	230		ug/kg	100	34.	1
Benzo(ghi)perylene	570		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	17.	1
Phenanthrene	680		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	120		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	600		ug/kg	140	24.	1
Pyrene	910		ug/kg	100	17.	1
Biphenyl	67	J	ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	110	J	ug/kg	180	17.	1
2-Methylnaphthalene	420		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	58	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	77		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/06/21 03:56
Analyst: HT
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.514	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.514	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.257	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.514	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.257	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.257	0.062	1
Perfluorooctanoic Acid (PFOA)	0.324		ng/g	0.257	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.514	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.514	0.140	1
Perfluorononanoic Acid (PFNA)	0.10	J	ng/g	0.257	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.557		ng/g	0.257	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.257	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.514	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.514	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.514	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.514	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.514	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.514	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.514	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.514	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.514	0.056	1
PFOA/PFOS, Total	0.881		ng/g	0.257	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/05/21 23:31
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1531787-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/05/21 23:31
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1531787-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	107		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/07/21 11:28
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/05/21 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1531787-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1533653-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1533653-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1533653-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-04		Batch: WG1531787-2					
Perfluorobutanoic Acid (PFBA)	109		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	113		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	112		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	122		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	111		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	124		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	108		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	115		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**143**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	106		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	119		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	137		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	116		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1531787-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	108				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1531787-2								
Perfluorooctanesulfonamide (FOSA)	90		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1533653-2 WG1533653-3								
Acenaphthene	77		76		31-137	1		50
1,2,4-Trichlorobenzene	75		75		38-107	0		50
Hexachlorobenzene	80		79		40-140	1		50
Bis(2-chloroethyl)ether	73		72		40-140	1		50
2-Chloronaphthalene	77		77		40-140	0		50
1,2-Dichlorobenzene	69		68		40-140	1		50
1,3-Dichlorobenzene	67		67		40-140	0		50
1,4-Dichlorobenzene	67		67		28-104	0		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	82		81		40-132	1		50
2,6-Dinitrotoluene	81		81		40-140	0		50
Fluoranthene	80		78		40-140	3		50
4-Chlorophenyl phenyl ether	81		79		40-140	3		50
4-Bromophenyl phenyl ether	82		81		40-140	1		50
Bis(2-chloroisopropyl)ether	70		70		40-140	0		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	70		70		40-140	0		50
Hexachlorocyclopentadiene	77		76		40-140	1		50
Hexachloroethane	69		69		40-140	0		50
Isophorone	78		79		40-140	1		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	74		74		40-140	0		50
NDPA/DPA	80		79		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1533653-2 WG1533653-3								
n-Nitrosodi-n-propylamine	77		78		32-121	1		50
Bis(2-ethylhexyl)phthalate	82		81		40-140	1		50
Butyl benzyl phthalate	81		80		40-140	1		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	82		81		40-140	1		50
Diethyl phthalate	80		78		40-140	3		50
Dimethyl phthalate	82		81		40-140	1		50
Benzo(a)anthracene	75		75		40-140	0		50
Benzo(a)pyrene	78		78		40-140	0		50
Benzo(b)fluoranthene	78		75		40-140	4		50
Benzo(k)fluoranthene	76		80		40-140	5		50
Chrysene	75		74		40-140	1		50
Acenaphthylene	79		80		40-140	1		50
Anthracene	78		77		40-140	1		50
Benzo(ghi)perylene	78		77		40-140	1		50
Fluorene	79		78		40-140	1		50
Phenanthrene	77		76		40-140	1		50
Dibenzo(a,h)anthracene	79		78		40-140	1		50
Indeno(1,2,3-cd)pyrene	80		79		40-140	1		50
Pyrene	78		76		35-142	3		50
Biphenyl	79		79		37-127	0		50
4-Chloroaniline	69		68		40-140	1		50
2-Nitroaniline	82		81		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1533653-2 WG1533653-3								
3-Nitroaniline	70		66		26-129	6		50
4-Nitroaniline	82		81		41-125	1		50
Dibenzofuran	77		76		40-140	1		50
2-Methylnaphthalene	75		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	78		78		40-117	0		50
Acetophenone	78		80		14-144	3		50
2,4,6-Trichlorophenol	83		82		30-130	1		50
p-Chloro-m-cresol	81		81		26-103	0		50
2-Chlorophenol	79		78		25-102	1		50
2,4-Dichlorophenol	85		84		30-130	1		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	80		79		30-130	1		50
4-Nitrophenol	84		82		11-114	2		50
2,4-Dinitrophenol	75		74		4-130	1		50
4,6-Dinitro-o-cresol	82		80		10-130	2		50
Pentachlorophenol	84		83		17-109	1		50
Phenol	80		80		26-90	0		50
2-Methylphenol	80		80		30-130.	0		50
3-Methylphenol/4-Methylphenol	89		89		30-130	0		50
2,4,5-Trichlorophenol	84		83		30-130	1		50
Benzoic Acid	69		65		10-110	6		50
Benzyl Alcohol	80		81		40-140	1		50
Carbazole	78		76		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1533653-2 WG1533653-3								
1,4-Dioxane	47		48		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		76		25-120
Phenol-d6	81		82		10-120
Nitrobenzene-d5	75		76		23-120
2-Fluorobiphenyl	76		77		30-120
2,4,6-Tribromophenol	82		83		10-136
4-Terphenyl-d14	79		80		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531787-3 WG1531787-4 QC Sample: L2141089-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.14	5.65	110		6.06	112		71-135	7		30
Perfluoropentanoic Acid (PFPeA)	ND	5.14	5.90	115		6.26	115		69-132	6		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.56	5.03	110		5.31	110		72-128	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.81	6.27	130		6.83	134		62-145	9		30
Perfluorohexanoic Acid (PFHxA)	ND	5.14	5.88	114		6.25	115		70-132	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.83	4.59	95		5.21	102		73-123	13		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.14	5.63	110		6.00	110		71-131	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.69	4.94	105		5.60	113		67-130	13		30
Perfluorooctanoic Acid (PFOA)	0.057J	5.14	5.63	109		6.09	111		69-133	8		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.89	5.94	121		6.41	124		64-140	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.89	5.51	113		6.22	120		70-132	12		30
Perfluorononanoic Acid (PFNA)	ND	5.14	5.55	108		5.88	108		72-129	6		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.77	5.32	112		5.71	113		68-136	7		30
Perfluorodecanoic Acid (PFDA)	ND	5.14	5.57	108		5.88	108		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.93	6.41	130		7.00	134		65-137	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.94	5.44	110		5.64	108		69-125	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.14	5.46	106		6.41	118		63-144	16		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.14	5.72	111		5.96	110		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.95	5.83	118		6.26	120		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	5.14	5.25	102		6.58F	121		67-137	22		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.14	5.26	102		6.27	115		61-139	18		30
Perfluorododecanoic Acid (PFDoA)	ND	5.14	6.16	120		6.58	121		69-135	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531787-3 WG1531787-4 QC Sample: L2141089-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.14	7.35	**143**	Q	7.58	**140**	Q	66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.14	5.90	115		6.32	116		69-133	7		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		87		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	66		63		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		94		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		63		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		90		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		88		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		93		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		92		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		81		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		**4**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		95		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		86		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		91		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		96		74-139

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 14:12
Analyst: JAW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.13	1	A
Aroclor 1221	ND		ug/kg	35.3	3.53	1	A
Aroclor 1232	ND		ug/kg	35.3	7.48	1	A
Aroclor 1242	ND		ug/kg	35.3	4.75	1	A
Aroclor 1248	ND		ug/kg	35.3	5.29	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	ND		ug/kg	35.3	6.52	1	A
Aroclor 1262	ND		ug/kg	35.3	4.48	1	A
Aroclor 1268	ND		ug/kg	35.3	3.65	1	A
PCBs, Total	ND		ug/kg	35.3	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	134		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 14:19
Analyst: JAW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.12	1	A
Aroclor 1221	ND		ug/kg	35.2	3.52	1	A
Aroclor 1232	ND		ug/kg	35.2	7.45	1	A
Aroclor 1242	ND		ug/kg	35.2	4.74	1	A
Aroclor 1248	ND		ug/kg	35.2	5.27	1	A
Aroclor 1254	ND		ug/kg	35.2	3.85	1	A
Aroclor 1260	16.1	J	ug/kg	35.2	6.50	1	A
Aroclor 1262	ND		ug/kg	35.2	4.46	1	A
Aroclor 1268	ND		ug/kg	35.2	3.64	1	A
PCBs, Total	16.1	J	ug/kg	35.2	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 14:26
Analyst: JAW
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.99	1	A
Aroclor 1221	ND		ug/kg	33.6	3.37	1	A
Aroclor 1232	ND		ug/kg	33.6	7.13	1	A
Aroclor 1242	ND		ug/kg	33.6	4.53	1	A
Aroclor 1248	ND		ug/kg	33.6	5.04	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	11.4	J	ug/kg	33.6	6.21	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.48	1	A
PCBs, Total	11.4	J	ug/kg	33.6	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/21 14:33
Analyst: JAW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.03	1	A
Aroclor 1221	ND		ug/kg	34.2	3.42	1	A
Aroclor 1232	ND		ug/kg	34.2	7.24	1	A
Aroclor 1242	ND		ug/kg	34.2	4.61	1	A
Aroclor 1248	ND		ug/kg	34.2	5.12	1	A
Aroclor 1254	ND		ug/kg	34.2	3.74	1	A
Aroclor 1260	37.1		ug/kg	34.2	6.31	1	A
Aroclor 1262	ND		ug/kg	34.2	4.34	1	A
Aroclor 1268	ND		ug/kg	34.2	3.54	1	A
PCBs, Total	37.1		ug/kg	34.2	3.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/05/21 14:31
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 08/05/21 04:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1531694-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.15	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.24	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.44	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1531694-2									
Aroclor 1016	102		-		40-140	-		50	A
Aroclor 1260	94		-		40-140	-		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96				30-150	A
Decachlorobiphenyl	97				30-150	A
2,4,5,6-Tetrachloro-m-xylene	105				30-150	B
Decachlorobiphenyl	111				30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 12:07
Analyst: AR
Percent Solids: 93%
Methylation Date: 08/06/21 21:53

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 10:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.51	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	95		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 D
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/21 13:37
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:20
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	84.1	16.5	50	A
Lindane	ND		ug/kg	35.0	15.6	50	A
Alpha-BHC	ND		ug/kg	35.0	9.95	50	A
Beta-BHC	ND		ug/kg	84.1	31.9	50	A
Heptachlor	ND		ug/kg	42.0	18.8	50	A
Aldrin	ND		ug/kg	84.1	29.6	50	A
Heptachlor epoxide	ND		ug/kg	158	47.3	50	A
Endrin	ND		ug/kg	35.0	14.4	50	A
Endrin aldehyde	ND		ug/kg	105	36.8	50	A
Endrin ketone	ND		ug/kg	84.1	21.6	50	A
Dieldrin	ND		ug/kg	52.5	26.3	50	A
4,4'-DDE	ND		ug/kg	84.1	19.4	50	A
4,4'-DDD	ND		ug/kg	84.1	30.0	50	A
4,4'-DDT	ND		ug/kg	158	67.6	50	A
Endosulfan I	ND		ug/kg	84.1	19.9	50	A
Endosulfan II	ND		ug/kg	84.1	28.1	50	A
Endosulfan sulfate	ND		ug/kg	35.0	16.7	50	A
Methoxychlor	ND		ug/kg	158	49.0	50	A
Toxaphene	ND		ug/kg	1580	441.	50	A
cis-Chlordane	ND		ug/kg	105	29.3	50	A
trans-Chlordane	ND		ug/kg	105	27.7	50	A
Chlordane	ND		ug/kg	701	278.	50	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01 D
Client ID: EP07_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/07/21 17:54
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:20
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	1.38	JP	ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	3.51	P	ug/kg	1.69	0.391	1	A
4,4'-DDD	3.39	P	ug/kg	1.69	0.603	1	A
4,4'-DDT	4.72	IP	ug/kg	3.17	1.36	1	B
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	0.678	J	ug/kg	2.11	0.589	1	A
trans-Chlordane	1.57	JIP	ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	14.1	5.60	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02 Date Collected: 08/04/21 08:50

Client ID: EP08_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 12:25
Analyst: AR
Percent Solids: 92%
Methylation Date: 08/06/21 21:53

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 10:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.54	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	77		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/07/21 18:32
Analyst: KB
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:20
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.315	1	A
Lindane	ND		ug/kg	0.671	0.300	1	A
Alpha-BHC	ND		ug/kg	0.671	0.190	1	A
Beta-BHC	ND		ug/kg	1.61	0.610	1	A
Heptachlor	ND		ug/kg	0.805	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.906	1	A
Endrin	ND		ug/kg	0.671	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.704	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.503	1	A
4,4'-DDE	1.05	JP	ug/kg	1.61	0.372	1	A
4,4'-DDD	1.26	J	ug/kg	1.61	0.574	1	A
4,4'-DDT	ND		ug/kg	3.02	1.29	1	A
Endosulfan I	ND		ug/kg	1.61	0.380	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.671	0.319	1	A
Methoxychlor	ND		ug/kg	3.02	0.939	1	A
Toxaphene	ND		ug/kg	30.2	8.45	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A
trans-Chlordane	ND		ug/kg	2.01	0.531	1	A
Chlordane	ND		ug/kg	13.4	5.33	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03 Date Collected: 08/04/21 11:55

Client ID: EP13_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 12:44
Analyst: AR
Percent Solids: 95%
Methylation Date: 08/06/21 21:53

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 10:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	10.9	1	A
2,4,5-T	ND		ug/kg	174	5.38	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	106		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/07/21 18:20
Analyst: KB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/06/21 03:20
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.701	0.313	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.842	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.701	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.736	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	1.39	JIP	ug/kg	1.68	0.389	1	B
4,4'-DDD	3.29		ug/kg	1.68	0.600	1	A
4,4'-DDT	ND		ug/kg	3.16	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	1.00	JIP	ug/kg	2.10	0.586	1	B
trans-Chlordane	2.17		ug/kg	2.10	0.555	1	B
Chlordane	26.7		ug/kg	14.0	5.58	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04 Date Collected: 08/04/21 13:20

Client ID: EP14_2 Date Received: 08/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/21 13:02
Analyst: AR
Percent Solids: 94%
Methylation Date: 08/06/21 21:53

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 10:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.49	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	95		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/07/21 10:55
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/05/21 10:06

Methylation Date: 08/06/21 21:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1531837-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	67		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/07/21 16:51
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1532090-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.666	0.298	A
Alpha-BHC	ND		ug/kg	0.666	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.606	A
Heptachlor	ND		ug/kg	0.799	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	3.00	0.899	A
Endrin	ND		ug/kg	0.666	0.273	A
Endrin aldehyde	ND		ug/kg	2.00	0.699	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.999	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.370	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	3.00	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.666	0.317	A
Methoxychlor	ND		ug/kg	3.00	0.932	A
Toxaphene	ND		ug/kg	30.0	8.39	A
cis-Chlordane	ND		ug/kg	2.00	0.556	A
trans-Chlordane	ND		ug/kg	2.00	0.527	A
Chlordane	ND		ug/kg	13.3	5.29	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/07/21 16:51
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/05/21 19:37
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1532090-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	114		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1531837-2 WG1531837-3									
2,4-D	81		75		30-150	8		30	A
2,4,5-T	80		75		30-150	6		30	A
2,4,5-TP (Silvex)	81		76		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	88		79		30-150	A
DCAA	79		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1532090-2 WG1532090-3									
Delta-BHC	82		87		30-150	6		30	A
Lindane	81		86		30-150	6		30	A
Alpha-BHC	85		90		30-150	6		30	A
Beta-BHC	76		76		30-150	0		30	A
Heptachlor	80		82		30-150	2		30	A
Aldrin	82		82		30-150	0		30	A
Heptachlor epoxide	82		80		30-150	2		30	A
Endrin	82		87		30-150	6		30	A
Endrin aldehyde	44		50		30-150	13		30	A
Endrin ketone	70		80		30-150	13		30	A
Dieldrin	86		89		30-150	3		30	A
4,4'-DDE	82		84		30-150	2		30	A
4,4'-DDD	84		89		30-150	6		30	A
4,4'-DDT	73		78		30-150	7		30	A
Endosulfan I	77		78		30-150	1		30	A
Endosulfan II	78		83		30-150	6		30	A
Endosulfan sulfate	60		68		30-150	13		30	A
Methoxychlor	63		67		30-150	6		30	A
cis-Chlordane	67		69		30-150	3		30	A
trans-Chlordane	91		85		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1532090-2 WG1532090-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		83		30-150	A
Decachlorobiphenyl	83		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		82		30-150	B
Decachlorobiphenyl	95		100		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY
Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4100		mg/kg	8.42	2.27	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Antimony, Total	1.86	J	mg/kg	4.21	0.320	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Arsenic, Total	15.0		mg/kg	0.842	0.175	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Barium, Total	143		mg/kg	0.842	0.146	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Beryllium, Total	0.606		mg/kg	0.421	0.028	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Cadmium, Total	0.421	J	mg/kg	0.842	0.083	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Calcium, Total	67600		mg/kg	84.2	29.5	20	08/05/21 14:42	08/09/21 16:27	EPA 3050B	1,6010D	SV
Chromium, Total	15.1		mg/kg	0.842	0.081	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Cobalt, Total	7.48		mg/kg	1.68	0.140	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Copper, Total	109		mg/kg	0.842	0.217	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Iron, Total	15300		mg/kg	4.21	0.760	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Lead, Total	297		mg/kg	4.21	0.226	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Magnesium, Total	30500		mg/kg	8.42	1.30	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Manganese, Total	187		mg/kg	0.842	0.134	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Mercury, Total	0.233		mg/kg	0.069	0.045	1	08/05/21 14:50	08/05/21 16:25	EPA 7471B	1,7471B	OU
Nickel, Total	14.9		mg/kg	2.10	0.204	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Potassium, Total	865		mg/kg	210	12.1	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Selenium, Total	0.960	J	mg/kg	1.68	0.217	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.842	0.238	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Sodium, Total	208		mg/kg	168	2.65	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Vanadium, Total	19.8		mg/kg	0.842	0.171	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
Zinc, Total	406		mg/kg	4.21	0.247	2	08/05/21 14:42	08/06/21 10:15	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.86	0.86	1		08/09/21 16:23	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY
Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2700		mg/kg	8.28	2.23	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Antimony, Total	0.753	J	mg/kg	4.14	0.314	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Arsenic, Total	12.1		mg/kg	0.828	0.172	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Barium, Total	99.1		mg/kg	0.828	0.144	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Beryllium, Total	0.372	J	mg/kg	0.414	0.027	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Cadmium, Total	0.207	J	mg/kg	0.828	0.081	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Calcium, Total	148000		mg/kg	82.8	29.0	20	08/05/21 14:42	08/06/21 14:20	EPA 3050B	1,6010D	GD
Chromium, Total	9.68		mg/kg	0.828	0.080	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Cobalt, Total	4.97		mg/kg	1.66	0.137	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Copper, Total	59.7		mg/kg	0.828	0.214	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Iron, Total	10200		mg/kg	4.14	0.747	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Lead, Total	129		mg/kg	4.14	0.222	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Magnesium, Total	72300		mg/kg	82.8	12.7	20	08/05/21 14:42	08/06/21 14:20	EPA 3050B	1,6010D	GD
Manganese, Total	159		mg/kg	0.828	0.132	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Mercury, Total	0.214		mg/kg	0.069	0.045	1	08/05/21 14:50	08/05/21 16:41	EPA 7471B	1,7471B	OU
Nickel, Total	8.69		mg/kg	2.07	0.200	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Potassium, Total	513		mg/kg	207	11.9	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Selenium, Total	1.22	J	mg/kg	1.66	0.214	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.828	0.234	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Sodium, Total	212		mg/kg	166	2.61	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Vanadium, Total	14.7		mg/kg	0.828	0.168	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
Zinc, Total	215		mg/kg	4.14	0.242	2	08/05/21 14:42	08/06/21 10:20	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	9.7		mg/kg	0.87	0.87	1		08/09/21 16:24	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY
Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1660		mg/kg	7.96	2.15	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Antimony, Total	1.38	J	mg/kg	3.98	0.303	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Arsenic, Total	8.16		mg/kg	0.796	0.166	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Barium, Total	330		mg/kg	0.796	0.138	2	08/05/21 14:42	08/06/21 12:51	EPA 3050B	1,6010D	GD
Beryllium, Total	0.247	J	mg/kg	0.398	0.026	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Cadmium, Total	0.167	J	mg/kg	0.796	0.078	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Calcium, Total	179000		mg/kg	79.6	27.9	20	08/05/21 14:42	08/06/21 13:02	EPA 3050B	1,6010D	GD
Chromium, Total	5.21		mg/kg	0.796	0.076	2	08/05/21 14:42	08/06/21 12:51	EPA 3050B	1,6010D	GD
Cobalt, Total	3.03		mg/kg	1.59	0.132	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Copper, Total	33.2		mg/kg	0.796	0.205	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Iron, Total	7580		mg/kg	3.98	0.719	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Lead, Total	101		mg/kg	3.98	0.213	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Magnesium, Total	87300		mg/kg	79.6	12.3	20	08/05/21 14:42	08/06/21 13:02	EPA 3050B	1,6010D	GD
Manganese, Total	144		mg/kg	0.796	0.127	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Mercury, Total	0.064	J	mg/kg	0.073	0.048	1	08/05/21 14:50	08/05/21 16:45	EPA 7471B	1,7471B	OU
Nickel, Total	6.34		mg/kg	1.99	0.193	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Potassium, Total	362		mg/kg	199	11.5	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Selenium, Total	1.19	J	mg/kg	1.59	0.205	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.796	0.225	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Sodium, Total	196		mg/kg	159	2.51	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.59	0.251	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Vanadium, Total	13.8		mg/kg	0.796	0.162	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
Zinc, Total	153		mg/kg	3.98	0.233	2	08/05/21 14:42	08/06/21 11:10	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	5.2		mg/kg	0.84	0.85	1		08/09/21 16:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY
Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2570		mg/kg	8.09	2.18	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Antimony, Total	0.882	J	mg/kg	4.04	0.307	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Arsenic, Total	8.38		mg/kg	0.809	0.168	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Barium, Total	190		mg/kg	0.809	0.141	2	08/05/21 14:42	08/06/21 12:56	EPA 3050B	1,6010D	GD
Beryllium, Total	0.324	J	mg/kg	0.404	0.027	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Cadmium, Total	0.259	J	mg/kg	0.809	0.079	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Calcium, Total	148000		mg/kg	80.9	28.3	20	08/05/21 14:42	08/06/21 13:07	EPA 3050B	1,6010D	GD
Chromium, Total	8.38		mg/kg	0.809	0.078	2	08/05/21 14:42	08/06/21 12:56	EPA 3050B	1,6010D	GD
Cobalt, Total	4.04		mg/kg	1.62	0.134	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Copper, Total	52.8		mg/kg	0.809	0.209	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Iron, Total	8870		mg/kg	4.04	0.730	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Lead, Total	264		mg/kg	4.04	0.217	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Magnesium, Total	50600		mg/kg	8.09	1.24	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Manganese, Total	146		mg/kg	0.809	0.129	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Mercury, Total	0.117		mg/kg	0.079	0.051	1	08/05/21 14:50	08/05/21 16:48	EPA 7471B	1,7471B	OU
Nickel, Total	8.61		mg/kg	2.02	0.196	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Potassium, Total	461		mg/kg	202	11.6	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Selenium, Total	0.785	J	mg/kg	1.62	0.209	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.809	0.229	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Sodium, Total	251		mg/kg	162	2.55	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.62	0.255	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Vanadium, Total	15.0		mg/kg	0.809	0.164	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
Zinc, Total	243		mg/kg	4.04	0.237	2	08/05/21 14:42	08/06/21 11:16	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	8.4		mg/kg	0.86	0.86	1		08/09/21 16:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141710

Project Number: 170229024 **Report Date:** 08/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1531850-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Iron, Total	ND		mg/kg	2.00	0.361	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Sodium, Total	2.18	J	mg/kg	80.0	1.26	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/05/21 14:42	08/06/21 10:00	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1531853-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/05/21 14:50	08/05/21 15:32	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1531850-2 SRM Lot Number: D109-540								
Aluminum, Total	75		-		50-150	-		
Antimony, Total	196		-		19-250	-		
Arsenic, Total	118		-		70-130	-		
Barium, Total	105		-		75-125	-		
Beryllium, Total	103		-		75-125	-		
Cadmium, Total	106		-		75-125	-		
Calcium, Total	100		-		73-128	-		
Chromium, Total	108		-		70-130	-		
Cobalt, Total	107		-		75-125	-		
Copper, Total	114		-		75-125	-		
Iron, Total	107		-		35-165	-		
Lead, Total	112		-		72-128	-		
Magnesium, Total	92		-		62-138	-		
Manganese, Total	103		-		74-126	-		
Nickel, Total	105		-		70-130	-		
Potassium, Total	94		-		59-141	-		
Selenium, Total	114		-		68-132	-		
Silver, Total	114		-		68-131	-		
Sodium, Total	99		-		35-165	-		
Thallium, Total	105		-		68-131	-		
Vanadium, Total	107		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1531850-2 SRM Lot Number: D109-540					
Zinc, Total	111	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1531853-2 SRM Lot Number: D109-540					
Mercury, Total	113	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531850-3 QC Sample: L2141595-01 Client ID: MS Sample												
Aluminum, Total	5850	193	6070	114		-	-		75-125	-		20
Antimony, Total	ND	48.3	44.7	92		-	-		75-125	-		20
Arsenic, Total	4.07	11.6	17.3	114		-	-		75-125	-		20
Barium, Total	34.3	193	222	97		-	-		75-125	-		20
Beryllium, Total	0.276	4.83	5.04	98		-	-		75-125	-		20
Cadmium, Total	0.261J	5.12	4.85	95		-	-		75-125	-		20
Calcium, Total	3210	967	4550	**139**	Q	-	-		75-125	-		20
Chromium, Total	9.76	19.3	28.4	96		-	-		75-125	-		20
Cobalt, Total	3.86	48.3	47.4	90		-	-		75-125	-		20
Copper, Total	26.9	24.2	55.8	120		-	-		75-125	-		20
Iron, Total	9240	96.7	10200	**993**	Q	-	-		75-125	-		20
Lead, Total	37.6	51.2	78.9	81		-	-		75-125	-		20
Magnesium, Total	1610	967	2530	95		-	-		75-125	-		20
Manganese, Total	193	48.3	262	**143**	Q	-	-		75-125	-		20
Nickel, Total	6.04	48.3	47.9	86		-	-		75-125	-		20
Potassium, Total	920	967	1800	91		-	-		75-125	-		20
Selenium, Total	0.276J	11.6	12.0	103		-	-		75-125	-		20
Silver, Total	ND	29	27.8	96		-	-		75-125	-		20
Sodium, Total	241	967	1200	99		-	-		75-125	-		20
Thallium, Total	ND	11.6	9.36	81		-	-		75-125	-		20
Vanadium, Total	14.1	48.3	61.5	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531850-3 QC Sample: L2141595-01 Client ID: MS Sample										
Zinc, Total	72.3	48.3	116	90		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531853-3 QC Sample: L2141710-01 Client ID: EP07_2										
Mercury, Total	0.233	0.158	0.357	**78**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531850-4 QC Sample: L2141595-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	4.07	4.20	mg/kg	3		20
Beryllium, Total	0.276	0.252	mg/kg	9		20
Cadmium, Total	0.261J	0.232J	mg/kg	NC		20
Chromium, Total	9.76	9.71	mg/kg	1		20
Copper, Total	26.9	25.6	mg/kg	5		20
Lead, Total	37.6	44.7	mg/kg	17		20
Nickel, Total	6.04	5.84	mg/kg	3		20
Selenium, Total	0.276J	0.378J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Zinc, Total	72.3	70.0	mg/kg	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531853-4 QC Sample: L2141710-01 Client ID: EP07_2						
Mercury, Total	0.233	0.392	mg/kg	**51**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1531850-6 QC Sample: L2141595-01 Client ID: DUP Sample						
Copper, Total	26.9	27.9	mg/kg	4		20
Zinc, Total	72.3	77.2	mg/kg	7		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-01
Client ID: EP07_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/04/21 08:05
Date Received: 08/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	08/05/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.859	0.172	1	08/05/21 13:06	08/09/21 16:23	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-02
Client ID: EP08_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/04/21 08:50
Date Received: 08/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	08/05/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.871	0.174	1	08/05/21 13:06	08/09/21 16:24	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-03
Client ID: EP13_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/04/21 11:55
Date Received: 08/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	08/05/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.845	0.169	1	08/05/21 13:06	08/09/21 16:25	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141710-04
Client ID: EP14_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/04/21 13:20
Date Received: 08/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	08/05/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.856	0.171	1	08/05/21 13:06	08/09/21 16:25	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1531908-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/05/21 13:06	08/09/21 15:57	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1531908-2								
Chromium, Hexavalent	89		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1531908-4 QC Sample: L2141710-01 Client ID: EP07_2												
Chromium, Hexavalent	ND	816	619	76		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141710

Report Date: 08/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1531732-1 QC Sample: L2141559-01 Client ID: DUP Sample						
Solids, Total	89.1	89.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1531908-6 QC Sample: L2141710-01 Client ID: EP07_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141710-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2141710-01B	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-01C	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-01D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2141710-01E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2141710-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2141710-01G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-01H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2141710-01I	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2141710-02B	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-02C	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-02D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2141710-02E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2141710-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2141710-02G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-02H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141710-02I	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-03A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2141710-03B	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-03C	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-03D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2141710-03E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2141710-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2141710-03G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-03H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2141710-03I	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-04A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2141710-04B	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-04C	Vial water preserved	A	NA		3.4	Y	Absent	05-AUG-21 02:47	NYTCL-8260HLW(14)
L2141710-04D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2141710-04E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2141710-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2141710-04G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2141710-04H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2141710-04I	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

Container Comments

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141710
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Container Comments

L2141710-01F Labeled as collected 04-AUG-21 08:04

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141710
Report Date: 08/18/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141710
Project Number:	170229024	**Report Date:**	08/18/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/5/21

ALPHA Job #: L2141710

Client Information

Client: Langan DPC
Address: 360 W 31th street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals/S+hexCr	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
41710-01	EP07_2	8/4/2021	0805	Soil	YMD	X	X	X	X	X	X	X			
-02	EP08_2	8/4/2021	0850	Soil	YMD	X	X	X	X	X	X	X			
-03	EP13_2	8/4/2021	1155	Soil	YMD	X	X	X	X	X	X	X			
-04	EP14_2	8/4/2021	1320	Soil	YMD	X	X	X	X	X	X	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/4/21 15:15	[signature] AAL	8/4/21 15:15
[signature] AAL	8/4/21 20:30	[signature] AAL	8/4/21 20:30
[signature]	8/5/21 0050	[signature]	8/5/21 0056

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2142103
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/19/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2142103-01	EP19_2	SOIL	BROOKLYN, NY	08/05/21 11:50	08/05/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
Project Number:	170229024	**Report Date:**	08/19/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
Project Number:	170229024	**Report Date:**	08/19/21

Case Narrative (continued)

Report Submission

August 19, 2021: This final report includes the results of all requested analyses.

August 12, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

The WG1532703-2 LCS recoveries, associated with L2142103-01, are above the acceptance criteria for perfluoroheptanesulfonic acid (pfhps) (135%) and 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (144%); however, the associated sample is non-detect to the RL for these target analytes. The results of the original analysis are reported.

Pesticides

L2142103-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

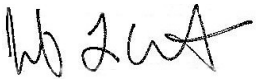
Total Metals

L2142103-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1532971-2 LCS recovery for chromium, hexavalent (70%), associated with L2142103-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Jennifer L Clements

Title: Technical Director/Representative Date: 08/19/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/10/21 20:42
Analyst: LAC
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 Date Collected: 08/05/21 11:50

Client ID: EP19_2 Date Received: 08/05/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 Date Collected: 08/05/21 11:50

Client ID: EP19_2 Date Received: 08/05/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/21 19:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1533616-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/21 19:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1533616-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/21 19:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1533616-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1533616-3 WG1533616-4								
Methylene chloride	78		73		70-130	7		30
1,1-Dichloroethane	84		77		70-130	9		30
Chloroform	87		79		70-130	10		30
Carbon tetrachloride	92		82		70-130	11		30
1,2-Dichloropropane	86		79		70-130	8		30
Dibromochloromethane	102		90		70-130	13		30
1,1,2-Trichloroethane	98		87		70-130	12		30
Tetrachloroethene	101		88		70-130	14		30
Chlorobenzene	96		86		70-130	11		30
Trichlorofluoromethane	109		93		70-139	16		30
1,2-Dichloroethane	94		84		70-130	11		30
1,1,1-Trichloroethane	90		81		70-130	11		30
Bromodichloromethane	93		83		70-130	11		30
trans-1,3-Dichloropropene	96		84		70-130	13		30
cis-1,3-Dichloropropene	93		83		70-130	11		30
1,1-Dichloropropene	88		80		70-130	10		30
Bromoform	106		91		70-130	15		30
1,1,2,2-Tetrachloroethane	100		87		70-130	14		30
Benzene	85		78		70-130	9		30
Toluene	87		79		70-130	10		30
Ethylbenzene	92		82		70-130	11		30
Chloromethane	57		53		52-130	7		30
Bromomethane	94		83		57-147	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1533616-3 WG1533616-4								
Vinyl chloride	80		72		67-130	11		30
Chloroethane	100		87		50-151	14		30
1,1-Dichloroethene	82		75		65-135	9		30
trans-1,2-Dichloroethene	86		77		70-130	11		30
Trichloroethene	92		83		70-130	10		30
1,2-Dichlorobenzene	103		91		70-130	12		30
1,3-Dichlorobenzene	104		92		70-130	12		30
1,4-Dichlorobenzene	103		91		70-130	12		30
Methyl tert butyl ether	87		78		66-130	11		30
p/m-Xylene	96		86		70-130	11		30
o-Xylene	97		87		70-130	11		30
cis-1,2-Dichloroethene	88		80		70-130	10		30
Dibromomethane	99		87		70-130	13		30
Styrene	100		90		70-130	11		30
Dichlorodifluoromethane	49		43		30-146	13		30
Acetone	89		84		54-140	6		30
Carbon disulfide	70		64		59-130	9		30
2-Butanone	**69**	Q	**63**	Q	70-130	9		30
Vinyl acetate	86		74		70-130	15		30
4-Methyl-2-pentanone	90		80		70-130	12		30
1,2,3-Trichloropropane	97		86		68-130	12		30
2-Hexanone	86		80		70-130	7		30
Bromochloromethane	93		84		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1533616-3 WG1533616-4								
2,2-Dichloropropane	88		78		70-130	12		30
1,2-Dibromoethane	95		84		70-130	12		30
1,3-Dichloropropane	95		84		69-130	12		30
1,1,1,2-Tetrachloroethane	99		88		70-130	12		30
Bromobenzene	101		89		70-130	13		30
n-Butylbenzene	100		89		70-130	12		30
sec-Butylbenzene	95		85		70-130	11		30
tert-Butylbenzene	94		84		70-130	11		30
o-Chlorotoluene	90		81		70-130	11		30
p-Chlorotoluene	92		82		70-130	11		30
1,2-Dibromo-3-chloropropane	96		82		68-130	16		30
Hexachlorobutadiene	104		92		67-130	12		30
Isopropylbenzene	93		82		70-130	13		30
p-Isopropyltoluene	100		88		70-130	13		30
Naphthalene	107		93		70-130	14		30
Acrylonitrile	82		74		70-130	10		30
n-Propylbenzene	94		83		70-130	12		30
1,2,3-Trichlorobenzene	113		100		70-130	12		30
1,2,4-Trichlorobenzene	115		101		70-130	13		30
1,3,5-Trimethylbenzene	93		83		70-130	11		30
1,2,4-Trimethylbenzene	94		83		70-130	12		30
1,4-Dioxane	113		96		65-136	16		30
p-Diethylbenzene	102		90		70-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1533616-3 WG1533616-4								
p-Ethyltoluene	95		84		70-130	12		30
1,2,4,5-Tetramethylbenzene	100		89		70-130	12		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	91		87		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	89		89		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/11/21 06:21
Analyst: SZ
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 08/07/21 18:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	36	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	420		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	63	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	76	J	ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 Date Collected: 08/05/21 11:50

Client ID: EP19_2 Date Received: 08/05/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	220		ug/kg	100	19.	1
Benzo(a)pyrene	200		ug/kg	140	42.	1
Benzo(b)fluoranthene	270		ug/kg	100	29.	1
Benzo(k)fluoranthene	62	J	ug/kg	100	27.	1
Chrysene	210		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	86	J	ug/kg	100	33.	1
Benzo(ghi)perylene	130	J	ug/kg	140	20.	1
Fluorene	42	J	ug/kg	170	16.	1
Phenanthrene	330		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	140	24.	1
Pyrene	400		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	36	J	ug/kg	170	16.	1
2-Methylnaphthalene	49	J	ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 Date Collected: 08/05/21 11:50

Client ID: EP19_2 Date Received: 08/05/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	33	J	ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	26	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	64		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/08/21 19:18
Analyst: SG
Percent Solids: 97%

Extraction Method: ALPHA 23528
Extraction Date: 08/08/21 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.499	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.499	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.499	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.499	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.499	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.499	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.499	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.499	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.499	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.499	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.499	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.499	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.499	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.499	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.250	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 Date Collected: 08/05/21 11:50

Client ID: EP19_2 Date Received: 08/05/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/10/21 03:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/07/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1532572-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/10/21 03:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/07/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1532572-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/10/21 03:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/07/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1532572-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	90		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/08/21 18:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/08/21 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1532703-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/08/21 18:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/08/21 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1532703-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 12:12
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/08/21 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1532703-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**132**	Q	10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1532572-2 WG1532572-3								
Acenaphthene	73		82		31-137	12		50
1,2,4-Trichlorobenzene	76		84		38-107	10		50
Hexachlorobenzene	69		78		40-140	12		50
Bis(2-chloroethyl)ether	82		92		40-140	11		50
2-Chloronaphthalene	75		83		40-140	10		50
1,2-Dichlorobenzene	74		82		40-140	10		50
1,3-Dichlorobenzene	72		81		40-140	12		50
1,4-Dichlorobenzene	72		81		28-104	12		50
3,3'-Dichlorobenzidine	67		66		40-140	2		50
2,4-Dinitrotoluene	79		89		40-132	12		50
2,6-Dinitrotoluene	89		101		40-140	13		50
Fluoranthene	75		87		40-140	15		50
4-Chlorophenyl phenyl ether	73		82		40-140	12		50
4-Bromophenyl phenyl ether	72		82		40-140	13		50
Bis(2-chloroisopropyl)ether	84		93		40-140	10		50
Bis(2-chloroethoxy)methane	83		89		40-117	7		50
Hexachlorobutadiene	71		79		40-140	11		50
Hexachlorocyclopentadiene	75		83		40-140	10		50
Hexachloroethane	74		84		40-140	13		50
Isophorone	80		87		40-140	8		50
Naphthalene	73		80		40-140	9		50
Nitrobenzene	87		97		40-140	11		50
NDPA/DPA	76		86		36-157	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1532572-2 WG1532572-3								
n-Nitrosodi-n-propylamine	82		90		32-121	9		50
Bis(2-ethylhexyl)phthalate	81		90		40-140	11		50
Butyl benzyl phthalate	81		93		40-140	14		50
Di-n-butylphthalate	77		87		40-140	12		50
Di-n-octylphthalate	81		92		40-140	13		50
Diethyl phthalate	75		85		40-140	13		50
Dimethyl phthalate	75		84		40-140	11		50
Benzo(a)anthracene	74		82		40-140	10		50
Benzo(a)pyrene	80		92		40-140	14		50
Benzo(b)fluoranthene	78		87		40-140	11		50
Benzo(k)fluoranthene	76		91		40-140	18		50
Chrysene	72		81		40-140	12		50
Acenaphthylene	76		84		40-140	10		50
Anthracene	74		84		40-140	13		50
Benzo(ghi)perylene	77		85		40-140	10		50
Fluorene	75		83		40-140	10		50
Phenanthrene	73		83		40-140	13		50
Dibenzo(a,h)anthracene	76		85		40-140	11		50
Indeno(1,2,3-cd)pyrene	76		84		40-140	10		50
Pyrene	74		85		35-142	14		50
Biphenyl	77		85		37-127	10		50
4-Chloroaniline	85		90		40-140	6		50
2-Nitroaniline	86		97		47-134	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1532572-2 WG1532572-3								
3-Nitroaniline	80		79		26-129	1		50
4-Nitroaniline	82		94		41-125	14		50
Dibenzofuran	74		82		40-140	10		50
2-Methylnaphthalene	76		82		40-140	8		50
1,2,4,5-Tetrachlorobenzene	74		80		40-117	8		50
Acetophenone	89		98		14-144	10		50
2,4,6-Trichlorophenol	79		88		30-130	11		50
p-Chloro-m-cresol	81		91		26-103	12		50
2-Chlorophenol	83		91		25-102	9		50
2,4-Dichlorophenol	85		92		30-130	8		50
2,4-Dimethylphenol	85		91		30-130	7		50
2-Nitrophenol	97		110		30-130	13		50
4-Nitrophenol	89		107		11-114	18		50
2,4-Dinitrophenol	68		81		4-130	17		50
4,6-Dinitro-o-cresol	79		92		10-130	15		50
Pentachlorophenol	73		85		17-109	15		50
Phenol	85		**92**	Q	26-90	8		50
2-Methylphenol	84		91		30-130.	8		50
3-Methylphenol/4-Methylphenol	95		104		30-130	9		50
2,4,5-Trichlorophenol	78		90		30-130	14		50
Benzoic Acid	49		49		10-110	0		50
Benzyl Alcohol	85		95		40-140	11		50
Carbazole	77		87		54-128	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1532572-2 WG1532572-3								
1,4-Dioxane	55		60		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		91		25-120
Phenol-d6	86		91		10-120
Nitrobenzene-d5	92		100		23-120
2-Fluorobiphenyl	74		79		30-120
2,4,6-Tribromophenol	77		86		10-136
4-Terphenyl-d14	74		83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1532703-2								
Perfluorobutanoic Acid (PFBA)	119		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	116		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	120		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	120		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	117		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	117		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	118		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	132		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	**135**	Q	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	121		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	123		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	117		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**144**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	122		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	118		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	117		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	120		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	118		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	123		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	130		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	126		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1532703-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1532703-2								
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	114				10-117

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1532703-3 WG1532703-4 QC Sample: L2142195-13 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.054J	5.2	6.20	118		6.08	116		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.2	6.05	116		6.17	119		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.62	5.61	121		5.38	117		72-128	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.87	6.83	140		6.41	132		62-145	6		30
Perfluorohexanoic Acid (PFHxA)	ND	5.2	6.29	121		6.23	120		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.89	5.01	102		4.72	97		73-123	6		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.2	6.17	119		6.09	117		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.75	5.41	114		5.23	110		67-130	3		30
Perfluorooctanoic Acid (PFOA)	ND	5.2	6.38	123		6.30	121		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.95	6.87	139		6.20	126		64-140	10		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.95	7.29	**147**	Q	6.90	**140**	Q	70-132	5		30
Perfluorononanoic Acid (PFNA)	ND	5.2	6.08	117		6.06	117		72-129	0		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.83	6.31	131		6.06	126		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	5.2	6.55	126		6.30	121		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.99	7.16	**143**	Q	6.15	123		65-137	15		30
Perfluorononanesulfonic Acid (PFNS)	ND	5	4.78	96		5.14	103		69-125	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.2	9.12	**175**	Q	6.84	132		63-144	29		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.2	6.10	117		6.04	116		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.01	4.15	83		4.27	85		59-134	3		30
Perfluorooctanesulfonamide (FOSA)	ND	5.2	6.53	126		6.73F	130		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.2	8.54	**164**	Q	7.50	**145**	Q	61-139	13		30
Perfluorododecanoic Acid (PFDoA)	ND	5.2	6.10	117		6.54	126		69-135	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1532703-3 WG1532703-4 QC Sample: L2142195-13 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.2	6.07	117		6.27	121		66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.2	6.18	119		6.17	119		69-133	0		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	27		29		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	29		31		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	39		45		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**4**	Q	**5**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**5**	Q	**9**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**31**	Q	**34**	Q	61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**33**	Q	**36**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**39**	Q	**41**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**38**	Q	**40**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**46**	Q	**51**	Q	78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**24**	Q	**28**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**5**	Q	**8**	Q	24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**43**	Q	**45**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**42**	Q	**43**	Q	58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		17		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**36**	Q	**39**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**40**	Q	**43**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**39**	Q	**41**	Q	72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**46**	Q	**49**	Q	74-139

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/09/21 20:26
Analyst: KB
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 08/07/21 19:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.3	2.96	1	A
Aroclor 1221	ND		ug/kg	33.3	3.34	1	A
Aroclor 1232	ND		ug/kg	33.3	7.06	1	A
Aroclor 1242	ND		ug/kg	33.3	4.49	1	A
Aroclor 1248	ND		ug/kg	33.3	5.00	1	A
Aroclor 1254	ND		ug/kg	33.3	3.64	1	A
Aroclor 1260	ND		ug/kg	33.3	6.16	1	A
Aroclor 1262	ND		ug/kg	33.3	4.23	1	A
Aroclor 1268	ND		ug/kg	33.3	3.45	1	A
PCBs, Total	ND		ug/kg	33.3	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/09/21 18:21
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/07/21 19:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1532682-1						
Aroclor 1016	ND		ug/kg	32.6	2.90	A
Aroclor 1221	ND		ug/kg	32.6	3.27	A
Aroclor 1232	ND		ug/kg	32.6	6.92	A
Aroclor 1242	ND		ug/kg	32.6	4.40	A
Aroclor 1248	ND		ug/kg	32.6	4.90	A
Aroclor 1254	ND		ug/kg	32.6	3.57	A
Aroclor 1260	ND		ug/kg	32.6	6.03	A
Aroclor 1262	ND		ug/kg	32.6	4.14	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
PCBs, Total	ND		ug/kg	32.6	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1532682-2 WG1532682-3									
Aroclor 1016	94		91		40-140	3		50	A
Aroclor 1260	87		82		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		87		30-150	A
Decachlorobiphenyl	81		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		92		30-150	B
Decachlorobiphenyl	86		80		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/09/21 15:57
Analyst: AR
Percent Solids: 97%
Methylation Date: 08/07/21 15:24

Extraction Method: EPA 8151A
Extraction Date: 08/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	170	10.7	1	A
2,4,5-T	ND		ug/kg	170	5.26	1	A
2,4,5-TP (Silvex)	ND		ug/kg	170	4.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	74		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 D
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/21 18:33
Analyst: SDC
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 08/07/21 21:01
Cleanup Method: EPA 3620B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.10	1.58	5	A
Lindane	ND		ug/kg	3.37	1.51	5	A
Alpha-BHC	ND		ug/kg	3.37	0.958	5	A
Beta-BHC	ND		ug/kg	8.10	3.07	5	A
Heptachlor	ND		ug/kg	4.05	1.81	5	A
Aldrin	ND		ug/kg	8.10	2.85	5	A
Heptachlor epoxide	ND		ug/kg	15.2	4.55	5	A
Endrin	ND		ug/kg	3.37	1.38	5	A
Endrin aldehyde	ND		ug/kg	10.1	3.54	5	A
Endrin ketone	ND		ug/kg	8.10	2.08	5	A
Dieldrin	ND		ug/kg	5.06	2.53	5	A
4,4'-DDE	ND		ug/kg	8.10	1.87	5	A
4,4'-DDD	ND		ug/kg	8.10	2.89	5	A
4,4'-DDT	ND		ug/kg	15.2	6.51	5	A
Endosulfan I	ND		ug/kg	8.10	1.91	5	A
Endosulfan II	ND		ug/kg	8.10	2.70	5	A
Endosulfan sulfate	ND		ug/kg	3.37	1.60	5	A
Methoxychlor	ND		ug/kg	15.2	4.72	5	A
Toxaphene	ND		ug/kg	152	42.5	5	A
cis-Chlordane	ND		ug/kg	10.1	2.82	5	A
trans-Chlordane	ND		ug/kg	10.1	2.67	5	A
Chlordane	ND		ug/kg	67.5	26.8	5	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01 D
Client ID: EP19_2
Sample Location: BROOKLYN, NY

Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/09/21 11:03
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/06/21 11:39

Methylation Date: 08/07/21 15:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1532334-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	35		30-150	A
DCAA	42		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/09/21 19:11
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/07/21 21:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1532684-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.7	5.03	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/09/21 19:11
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/07/21 21:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1532684-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1532334-2 WG1532334-3									
2,4-D	77		91		30-150	17		30	A
2,4,5-T	60		72		30-150	18		30	A
2,4,5-TP (Silvex)	82		77		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	60		77		30-150	A
DCAA	69		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1532684-2 WG1532684-3									
Delta-BHC	82		87		30-150	6		30	A
Lindane	82		86		30-150	5		30	A
Alpha-BHC	84		86		30-150	2		30	A
Beta-BHC	73		77		30-150	5		30	A
Heptachlor	82		85		30-150	4		30	A
Aldrin	77		81		30-150	5		30	A
Heptachlor epoxide	74		79		30-150	7		30	A
Endrin	80		86		30-150	7		30	A
Endrin aldehyde	58		61		30-150	5		30	A
Endrin ketone	76		78		30-150	3		30	A
Dieldrin	82		89		30-150	8		30	A
4,4'-DDE	76		80		30-150	5		30	A
4,4'-DDD	80		88		30-150	10		30	A
4,4'-DDT	74		80		30-150	8		30	A
Endosulfan I	73		77		30-150	5		30	A
Endosulfan II	78		86		30-150	10		30	A
Endosulfan sulfate	70		75		30-150	7		30	A
Methoxychlor	67		73		30-150	9		30	A
cis-Chlordane	63		65		30-150	3		30	A
trans-Chlordane	81		86		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1532684-2 WG1532684-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		79		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	B
Decachlorobiphenyl	73		88		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY
Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1070		mg/kg	7.79	2.10	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	3.89	0.296	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Arsenic, Total	8.29		mg/kg	0.779	0.162	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Barium, Total	17.9		mg/kg	0.779	0.135	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Beryllium, Total	0.226	J	mg/kg	0.389	0.026	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Cadmium, Total	0.086	J	mg/kg	0.779	0.076	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Calcium, Total	150000		mg/kg	77.9	27.2	20	08/13/21 21:27	08/17/21 21:26	EPA 3050B	1,6010D	DL
Chromium, Total	4.01		mg/kg	0.779	0.075	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Cobalt, Total	2.55		mg/kg	1.56	0.129	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Copper, Total	16.0		mg/kg	0.779	0.201	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Iron, Total	7380		mg/kg	3.89	0.703	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Lead, Total	21.9		mg/kg	3.89	0.209	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Magnesium, Total	86600		mg/kg	77.9	12.0	20	08/13/21 21:27	08/17/21 21:26	EPA 3050B	1,6010D	DL
Manganese, Total	126		mg/kg	0.779	0.124	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.065	0.042	1	08/10/21 08:25	08/10/21 10:36	EPA 7471B	1,7471B	OU
Nickel, Total	5.36		mg/kg	1.95	0.188	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Potassium, Total	331		mg/kg	195	11.2	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Selenium, Total	0.623	J	mg/kg	1.56	0.201	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.779	0.220	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Sodium, Total	168		mg/kg	156	2.45	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.56	0.245	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Vanadium, Total	7.94		mg/kg	0.779	0.158	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
Zinc, Total	28.1		mg/kg	3.89	0.228	2	08/13/21 21:27	08/16/21 19:27	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	4.0		mg/kg	0.82	0.83	1		08/16/21 19:27	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142103

Project Number: 170229024 **Report Date:** 08/19/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1532938-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/10/21 08:25	08/10/21 10:16	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1534889-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/13/21 21:27	08/16/21 18:32	1,6010D	SV

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1532938-2 SRM Lot Number: D109-540								
Mercury, Total	97		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1534889-2 SRM Lot Number: D109-540					
Aluminum, Total	55	-	50-150	-	
Antimony, Total	122	-	19-250	-	
Arsenic, Total	94	-	70-130	-	
Barium, Total	82	-	75-125	-	
Beryllium, Total	98	-	75-125	-	
Cadmium, Total	102	-	75-125	-	
Calcium, Total	86	-	73-128	-	
Chromium, Total	93	-	70-130	-	
Cobalt, Total	99	-	75-125	-	
Copper, Total	86	-	75-125	-	
Iron, Total	74	-	35-165	-	
Lead, Total	89	-	72-128	-	
Magnesium, Total	74	-	62-138	-	
Manganese, Total	87	-	74-126	-	
Nickel, Total	98	-	70-130	-	
Potassium, Total	70	-	59-141	-	
Selenium, Total	94	-	68-132	-	
Silver, Total	89	-	68-131	-	
Sodium, Total	68	-	35-165	-	
Thallium, Total	93	-	68-131	-	
Vanadium, Total	84	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1534889-2 SRM Lot Number: D109-540					
Zinc, Total	90	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1532938-3 QC Sample: L2142327-01 Client ID: MS Sample												
Mercury, Total	ND	0.141	0.148	105		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534889-3 QC Sample: L2141872-01 Client ID: MS Sample										
Aluminum, Total	9810	443	12200	**539**	Q	-	-	75-125	-	20
Antimony, Total	ND	111	79.3	**72**	Q	-	-	75-125	-	20
Arsenic, Total	13.0	26.6	41.7	108		-	-	75-125	-	20
Barium, Total	48.5	443	447	90		-	-	75-125	-	20
Beryllium, Total	0.791	11.1	11.1	93		-	-	75-125	-	20
Cadmium, Total	0.479J	11.7	10.9	93		-	-	75-125	-	20
Calcium, Total	7630	2220	10200	116		-	-	75-125	-	20
Chromium, Total	50.1	44.3	90.6	91		-	-	75-125	-	20
Cobalt, Total	13.1	111	106	84		-	-	75-125	-	20
Copper, Total	573	55.4	607	**61**	Q	-	-	75-125	-	20
Iron, Total	27400	222	29500	**948**	Q	-	-	75-125	-	20
Lead, Total	87.7	117	173	**73**	Q	-	-	75-125	-	20
Magnesium, Total	6840	2220	9480	119		-	-	75-125	-	20
Manganese, Total	498	111	637	125		-	-	75-125	-	20
Nickel, Total	46.0	111	117	**64**	Q	-	-	75-125	-	20
Potassium, Total	2580	2220	4880	104		-	-	75-125	-	20
Selenium, Total	0.914J	26.6	26.2	98		-	-	75-125	-	20
Silver, Total	0.925J	66.5	62.8	94		-	-	75-125	-	20
Sodium, Total	15800	2220	18400	117		-	-	75-125	-	20
Thallium, Total	ND	26.6	21.3	80		-	-	75-125	-	20
Vanadium, Total	30.1	111	133	93		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534889-3 QC Sample: L2141872-01 Client ID: MS Sample										
Zinc, Total	427	111	465	**34**	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1532938-4 QC Sample: L2142327-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534889-4 QC Sample: L2141872-01 Client ID: DUP Sample						
Iron, Total	27400	18900	mg/kg	**37**	Q	20
Magnesium, Total	6840	5010	mg/kg	**31**	Q	20
Manganese, Total	498	365	mg/kg	**31**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534889-6 QC Sample: L2141872-01 Client ID: DUP Sample						
Iron, Total	27400	32400	mg/kg	18		20
Magnesium, Total	6840	8350	mg/kg	**22**	Q	20
Manganese, Total	498	591	mg/kg	19		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142103
Report Date: 08/19/21

SAMPLE RESULTS

Lab ID: L2142103-01
Client ID: EP19_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/05/21 11:50
Date Received: 08/05/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	08/06/21 12:06	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.825	0.165	1	08/09/21 13:41	08/10/21 14:01	1,7196A	PB

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Lab Number: L2142103
Report Date: 08/19/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1532971-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/09/21 13:41	08/10/21 13:18	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1532971-2								
Chromium, Hexavalent	**70**	Q	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142103
Report Date: 08/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1532971-4 QC Sample: L2142103-01 Client ID: EP19_2												
Chromium, Hexavalent	ND	746	709	95		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142103

Report Date: 08/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1532342-1 QC Sample: L2142077-04 Client ID: DUP Sample						
Solids, Total	87.2	86.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1532971-6 QC Sample: L2142103-01 Client ID: EP19_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
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Lab Number: L2142103
Report Date: 08/19/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2142103-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2142103-01B	Vial water preserved	A	NA		2.8	Y	Absent	06-AUG-21 11:15	NYTCL-8260HLW(14)
L2142103-01C	Vial water preserved	A	NA		2.8	Y	Absent	06-AUG-21 11:15	NYTCL-8260HLW(14)
L2142103-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2142103-01E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2142103-01F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2142103-01G	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2142103-01H	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		HEXCR-7196(30)
L2142103-01I	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
Project Number:	170229024	**Report Date:**	08/19/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
Project Number:	170229024	**Report Date:**	08/19/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142103
Project Number:	170229024	**Report Date:**	08/19/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/6/21

ALPHA Job #: L2142103

Client Information

Client: Langan DPC
Address: 360 W. 31st street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Bronx Klyn NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/herbicides	TAL Metals + trivalent	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
42103-01	EP19_2	8/5/2021	1150	Soil	VMD	X	X	X	X	X	X	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/5/2021 16:53	[signature]	8/5/21 16:53
[signature]	8/5/21 19:30	[signature]	8/5/21 2000
[signature]	8/6/21 00:15	Mohammed	8/6/21 00:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2142543
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/23/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2142543-01	EP20_4	SOIL	BROOKLYN, NY	08/09/21 09:47	08/09/21
L2142543-02	PFB02_080921	WATER	BROOKLYN, NY	08/09/21 13:45	08/09/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543
Project Number: 170229024 **Report Date:** 08/23/21

Case Narrative (continued)

Report Submission
August 23, 2021: This final report includes the results of all requested analyses.
August 17, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
L2142543-01: The internal standard (IS) response for chlorobenzene-d5 (49%), and 1,4-dichlorobenzene-d4 (14%) and the surrogate recoveries for toluene-d8 (136%) and 4-bromofluorobenzene (179%) were outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (41%), 1,4-dichlorobenzene-d4 (12%), toluene-d8 (145%) and 4-bromofluorobenzene (190%). The results of both analyses are reported.

Semivolatile Organics
L2142543-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Perfluorinated Alkyl Acids by Isotope Dilution
L2142543-01: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
WG1533768-1: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
The Extracted Internal Standard recovery for the WG1533768-1 Method Blank, associated with L2142543-01, is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated samples are non-detect for Perfluorooctanesulfonamide (FOSA).
WG1533768-2: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

Case Narrative (continued)

within criteria.

WG1533992: An LCS/LCSD was performed in lieu of a Matrix Spike and Laboratory Duplicate due to insufficient sample volume available for analysis.

Pesticides

L2142543-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

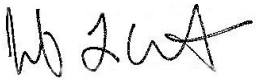
Total Metals

L2142543-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1534074-5 Soluble MS recovery for chromium, hexavalent (68%), performed on L2142543-01, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 97%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Jennifer L Clements

Title: Technical Director/Representative Date: 08/23/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/21 19:35
Analyst: AJK
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	0.89	0.35	1
Chlorobenzene	ND		ug/kg	0.89	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.30	1
Bromodichloromethane	ND		ug/kg	0.89	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.89	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.30	1
Benzene	ND		ug/kg	0.89	0.30	1
Toluene	ND		ug/kg	1.8	0.97	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.24	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 Date Collected: 08/09/21 09:47

Client ID: EP20_4 Date Received: 08/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.89	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.6	0.42	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	ND		ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.1	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	ND		ug/kg	7.1	1.2	1
Acrylonitrile	ND		ug/kg	7.1	2.0	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 Date Collected: 08/09/21 09:47

Client ID: EP20_4 Date Received: 08/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.57	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.48	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.34	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	62.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.68	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	**136**	Q	70-130
4-Bromofluorobenzene	**179**	Q	70-130
Dibromofluoromethane	103		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 R
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/12/21 08:57
Analyst: TMS
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.8	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.3	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 R Date Collected: 08/09/21 09:47
Client ID: EP20_4 Date Received: 08/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.80	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.9	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.27	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.8	0.93	1
Acrylonitrile	ND		ug/kg	5.8	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 R Date Collected: 08/09/21 09:47
Client ID: EP20_4 Date Received: 08/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	120	50.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.25	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.27	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	**145**	Q	70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/21 19:08
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1534128-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/21 19:08
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1534128-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/21 19:08
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1534128-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1534128-3 WG1534128-4								
Methylene chloride	81		82		70-130	1		30
1,1-Dichloroethane	86		87		70-130	1		30
Chloroform	88		90		70-130	2		30
Carbon tetrachloride	92		93		70-130	1		30
1,2-Dichloropropane	88		89		70-130	1		30
Dibromochloromethane	96		99		70-130	3		30
1,1,2-Trichloroethane	94		96		70-130	2		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	110		105		70-139	5		30
1,2-Dichloroethane	92		95		70-130	3		30
1,1,1-Trichloroethane	90		91		70-130	1		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	91		94		70-130	3		30
cis-1,3-Dichloropropene	92		94		70-130	2		30
1,1-Dichloropropene	90		91		70-130	1		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	93		96		70-130	3		30
Benzene	86		88		70-130	2		30
Toluene	87		88		70-130	1		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	60		62		52-130	3		30
Bromomethane	98		92		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1534128-3 WG1534128-4								
Vinyl chloride	83		82		67-130	1		30
Chloroethane	106		99		50-151	7		30
1,1-Dichloroethene	83		82		65-135	1		30
trans-1,2-Dichloroethene	85		86		70-130	1		30
Trichloroethene	92		92		70-130	0		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	97		97		70-130	0		30
Methyl tert butyl ether	84		87		66-130	4		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	95		96		70-130	1		30
cis-1,2-Dichloroethene	87		88		70-130	1		30
Dibromomethane	94		97		70-130	3		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	49		48		30-146	2		30
Acetone	95		97		54-140	2		30
Carbon disulfide	72		72		59-130	0		30
2-Butanone	87		92		70-130	6		30
Vinyl acetate	84		89		70-130	6		30
4-Methyl-2-pentanone	83		87		70-130	5		30
1,2,3-Trichloropropane	91		94		68-130	3		30
2-Hexanone	86		91		70-130	6		30
Bromochloromethane	94		94		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1534128-3 WG1534128-4								
2,2-Dichloropropane	88		89		70-130	1		30
1,2-Dibromoethane	88		92		70-130	4		30
1,3-Dichloropropane	91		94		69-130	3		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	99		99		70-130	0		30
sec-Butylbenzene	94		93		70-130	1		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	88		90		70-130	2		30
p-Chlorotoluene	88		90		70-130	2		30
1,2-Dibromo-3-chloropropane	87		89		68-130	2		30
Hexachlorobutadiene	100		100		67-130	0		30
Isopropylbenzene	89		90		70-130	1		30
p-Isopropyltoluene	97		97		70-130	0		30
Naphthalene	98		101		70-130	3		30
Acrylonitrile	83		86		70-130	4		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	105		108		70-130	3		30
1,2,4-Trichlorobenzene	107		108		70-130	1		30
1,3,5-Trimethylbenzene	90		90		70-130	0		30
1,2,4-Trimethylbenzene	91		92		70-130	1		30
1,4-Dioxane	93		95		65-136	2		30
p-Diethylbenzene	99		99		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1534128-3 WG1534128-4								
p-Ethyltoluene	92		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	97		98		70-130	1		30
Ethyl ether	83		86		67-130	4		30
trans-1,4-Dichloro-2-butene	96		98		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
Methylene chloride	81		81		70-130	0		30
1,1-Dichloroethane	83		83		70-130	0		30
Chloroform	86		85		70-130	1		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	85		85		70-130	0		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	94		91		70-130	3		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	90		90		70-130	0		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	91		90		70-130	1		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	92		90		70-130	2		30
Benzene	84		83		70-130	1		30
Toluene	86		86		70-130	0		30
Ethylbenzene	88		88		70-130	0		30
Chloromethane	57		55		52-130	4		30
Bromomethane	88		85		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
Vinyl chloride	72		71		67-130	1		30
Chloroethane	90		86		50-151	5		30
1,1-Dichloroethene	80		78		65-135	3		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	89		88		70-130	1		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	99		97		70-130	2		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	86		86		70-130	0		30
Dibromomethane	93		93		70-130	0		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	45		44		30-146	2		30
Acetone	85		86		54-140	1		30
Carbon disulfide	68		68		59-130	0		30
2-Butanone	**62**	Q	**63**	Q	70-130	2		30
Vinyl acetate	82		81		70-130	1		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	89		87		68-130	2		30
2-Hexanone	79		82		70-130	4		30
Bromochloromethane	94		92		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
2,2-Dichloropropane	86		84		70-130	2		30
1,2-Dibromoethane	88		88		70-130	0		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	95		93		70-130	2		30
sec-Butylbenzene	90		89		70-130	1		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	73		72		70-130	1		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	85		84		68-130	1		30
Hexachlorobutadiene	96		94		67-130	2		30
Isopropylbenzene	89		87		70-130	2		30
p-Isopropyltoluene	95		93		70-130	2		30
Naphthalene	96		94		70-130	2		30
Acrylonitrile	79		78		70-130	1		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	107		105		70-130	2		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	90		89		70-130	1		30
1,4-Dioxane	87		85		65-136	2		30
p-Diethylbenzene	97		94		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
p-Ethyltoluene	91		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		94		70-130	2		30
Ethyl ether	84		82		67-130	2		30
trans-1,4-Dichloro-2-butene	91		88		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 05:56
Analyst: SG
Percent Solids: 76%

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 09:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.598	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.598	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.299	0.047	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.598	0.063	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.299	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.299	0.072	1
Perfluorooctanoic Acid (PFOA)	0.063	J	ng/g	0.299	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.598	0.214	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.598	0.163	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.299	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.299	0.155	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.299	0.080	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.598	0.343	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.598	0.241	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.598	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.598	0.183	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.598	0.101	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.598	0.084	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.598	0.244	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.598	0.065	1
PFOA/PFOS, Total	0.063	J	ng/g	0.299	0.050	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 Date Collected: 08/09/21 09:47

Client ID: EP20_4 Date Received: 08/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	123		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 13:17
Analyst: RS
Percent Solids: 76%

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 09:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.598	0.117	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	116		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 D
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/21 09:49
Analyst: WR
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	330	J	ug/kg	1700	220	10
1,2,4-Trichlorobenzene	ND		ug/kg	2200	250	10
Hexachlorobenzene	ND		ug/kg	1300	240	10
Bis(2-chloroethyl)ether	ND		ug/kg	1900	290	10
2-Chloronaphthalene	ND		ug/kg	2200	210	10
1,2-Dichlorobenzene	ND		ug/kg	2200	390	10
1,3-Dichlorobenzene	ND		ug/kg	2200	370	10
1,4-Dichlorobenzene	ND		ug/kg	2200	380	10
3,3'-Dichlorobenzidine	ND		ug/kg	2200	570	10
2,4-Dinitrotoluene	ND		ug/kg	2200	430	10
2,6-Dinitrotoluene	ND		ug/kg	2200	370	10
Fluoranthene	4500		ug/kg	1300	250	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	230	10
4-Bromophenyl phenyl ether	ND		ug/kg	2200	330	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	370	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	220	10
Hexachlorobutadiene	ND		ug/kg	2200	320	10
Hexachlorocyclopentadiene	ND		ug/kg	6200	2000	10
Hexachloroethane	ND		ug/kg	1700	350	10
Isophorone	ND		ug/kg	1900	280	10
Naphthalene	560	J	ug/kg	2200	260	10
Nitrobenzene	ND		ug/kg	1900	320	10
NDPA/DPA	ND		ug/kg	1700	240	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	330	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2200	750	10
Butyl benzyl phthalate	ND		ug/kg	2200	540	10
Di-n-butylphthalate	ND		ug/kg	2200	410	10
Di-n-octylphthalate	ND		ug/kg	2200	730	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 D Date Collected: 08/09/21 09:47
Client ID: EP20_4 Date Received: 08/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2200	200	10
Dimethyl phthalate	ND		ug/kg	2200	450	10
Benzo(a)anthracene	2100		ug/kg	1300	240	10
Benzo(a)pyrene	1900		ug/kg	1700	530	10
Benzo(b)fluoranthene	2700		ug/kg	1300	360	10
Benzo(k)fluoranthene	810	J	ug/kg	1300	340	10
Chrysene	2300		ug/kg	1300	220	10
Acenaphthylene	ND		ug/kg	1700	330	10
Anthracene	760	J	ug/kg	1300	420	10
Benzo(ghi)perylene	1200	J	ug/kg	1700	250	10
Fluorene	540	J	ug/kg	2200	210	10
Phenanthrene	3700		ug/kg	1300	260	10
Dibenzo(a,h)anthracene	300	J	ug/kg	1300	250	10
Indeno(1,2,3-cd)pyrene	1400	J	ug/kg	1700	300	10
Pyrene	3900		ug/kg	1300	210	10
Biphenyl	ND		ug/kg	4900	500	10
4-Chloroaniline	ND		ug/kg	2200	390	10
2-Nitroaniline	ND		ug/kg	2200	420	10
3-Nitroaniline	ND		ug/kg	2200	410	10
4-Nitroaniline	ND		ug/kg	2200	890	10
Dibenzofuran	310	J	ug/kg	2200	200	10
2-Methylnaphthalene	410	J	ug/kg	2600	260	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	220	10
Acetophenone	ND		ug/kg	2200	270	10
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	10
p-Chloro-m-cresol	ND		ug/kg	2200	320	10
2-Chlorophenol	ND		ug/kg	2200	260	10
2,4-Dichlorophenol	ND		ug/kg	1900	350	10
2,4-Dimethylphenol	ND		ug/kg	2200	710	10
2-Nitrophenol	ND		ug/kg	4700	810	10
4-Nitrophenol	ND		ug/kg	3000	880	10
2,4-Dinitrophenol	ND		ug/kg	10000	1000	10
4,6-Dinitro-o-cresol	ND		ug/kg	5600	1000	10
Pentachlorophenol	ND		ug/kg	1700	480	10
Phenol	ND		ug/kg	2200	330	10
2-Methylphenol	ND		ug/kg	2200	330	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3100	340	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 D
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	2200	410	10
Benzoic Acid	ND		ug/kg	7000	2200	10
Benzyl Alcohol	ND		ug/kg	2200	660	10
Carbazole	380	J	ug/kg	2200	210	10
1,4-Dioxane	ND		ug/kg	320	99.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	88		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-02
Client ID: PFB02_080921
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 13:45
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 17:17
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.85	0.347	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.636	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.599	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.905	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.743	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: 45 COMMERCIAL STREET
Lab Number: L2142543
Project Number: 170229024
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-02
Client ID: PFB02_080921
Sample Location: BROOKLYN, NY
Date Collected: 08/09/21 13:45
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1533653-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1533653-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/21 04:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1533653-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	78		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 01:31
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 09:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1533768-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 01:31
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 09:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1533768-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**6**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 12:34
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 09:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1533768-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**127**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 15:54
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1533992-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 15:54
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/11/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1533992-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1533653-2 WG1533653-3								
Acenaphthene	77		76		31-137	1		50
1,2,4-Trichlorobenzene	75		75		38-107	0		50
Hexachlorobenzene	80		79		40-140	1		50
Bis(2-chloroethyl)ether	73		72		40-140	1		50
2-Chloronaphthalene	77		77		40-140	0		50
1,2-Dichlorobenzene	69		68		40-140	1		50
1,3-Dichlorobenzene	67		67		40-140	0		50
1,4-Dichlorobenzene	67		67		28-104	0		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	82		81		40-132	1		50
2,6-Dinitrotoluene	81		81		40-140	0		50
Fluoranthene	80		78		40-140	3		50
4-Chlorophenyl phenyl ether	81		79		40-140	3		50
4-Bromophenyl phenyl ether	82		81		40-140	1		50
Bis(2-chloroisopropyl)ether	70		70		40-140	0		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	70		70		40-140	0		50
Hexachlorocyclopentadiene	77		76		40-140	1		50
Hexachloroethane	69		69		40-140	0		50
Isophorone	78		79		40-140	1		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	74		74		40-140	0		50
NDPA/DPA	80		79		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1533653-2 WG1533653-3								
n-Nitrosodi-n-propylamine	77		78		32-121	1		50
Bis(2-ethylhexyl)phthalate	82		81		40-140	1		50
Butyl benzyl phthalate	81		80		40-140	1		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	82		81		40-140	1		50
Diethyl phthalate	80		78		40-140	3		50
Dimethyl phthalate	82		81		40-140	1		50
Benzo(a)anthracene	75		75		40-140	0		50
Benzo(a)pyrene	78		78		40-140	0		50
Benzo(b)fluoranthene	78		75		40-140	4		50
Benzo(k)fluoranthene	76		80		40-140	5		50
Chrysene	75		74		40-140	1		50
Acenaphthylene	79		80		40-140	1		50
Anthracene	78		77		40-140	1		50
Benzo(ghi)perylene	78		77		40-140	1		50
Fluorene	79		78		40-140	1		50
Phenanthrene	77		76		40-140	1		50
Dibenzo(a,h)anthracene	79		78		40-140	1		50
Indeno(1,2,3-cd)pyrene	80		79		40-140	1		50
Pyrene	78		76		35-142	3		50
Biphenyl	79		79		37-127	0		50
4-Chloroaniline	69		68		40-140	1		50
2-Nitroaniline	82		81		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1533653-2 WG1533653-3								
3-Nitroaniline	70		66		26-129	6		50
4-Nitroaniline	82		81		41-125	1		50
Dibenzofuran	77		76		40-140	1		50
2-Methylnaphthalene	75		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	78		78		40-117	0		50
Acetophenone	78		80		14-144	3		50
2,4,6-Trichlorophenol	83		82		30-130	1		50
p-Chloro-m-cresol	81		81		26-103	0		50
2-Chlorophenol	79		78		25-102	1		50
2,4-Dichlorophenol	85		84		30-130	1		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	80		79		30-130	1		50
4-Nitrophenol	84		82		11-114	2		50
2,4-Dinitrophenol	75		74		4-130	1		50
4,6-Dinitro-o-cresol	82		80		10-130	2		50
Pentachlorophenol	84		83		17-109	1		50
Phenol	80		80		26-90	0		50
2-Methylphenol	80		80		30-130.	0		50
3-Methylphenol/4-Methylphenol	89		89		30-130	0		50
2,4,5-Trichlorophenol	84		83		30-130	1		50
Benzoic Acid	69		65		10-110	6		50
Benzyl Alcohol	80		81		40-140	1		50
Carbazole	78		76		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1533653-2 WG1533653-3								
1,4-Dioxane	47		48		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		76		25-120
Phenol-d6	81		82		10-120
Nitrobenzene-d5	75		76		23-120
2-Fluorobiphenyl	76		77		30-120
2,4,6-Tribromophenol	82		83		10-136
4-Terphenyl-d14	79		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1533768-2								
Perfluorobutanoic Acid (PFBA)	96		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	95		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	93		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	97		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	89		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	97		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	96		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	86		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	121		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1533768-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**7**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1533768-2								
Perfluorooctanesulfonamide (FOSA)	91		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	114				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1533992-2 WG1533992-3								
Perfluorobutanoic Acid (PFBA)	91		89		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	90		90		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	88		88		65-157	0		30
Perfluorohexanoic Acid (PFHxA)	89		89		69-168	0		30
Perfluoroheptanoic Acid (PFHpA)	90		89		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	92		92		69-177	0		30
Perfluorooctanoic Acid (PFOA)	90		92		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		100		49-187	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		88		61-179	5		30
Perfluorononanoic Acid (PFNA)	82		83		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	93		95		52-151	2		30
Perfluorodecanoic Acid (PFDA)	90		88		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		96		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		92		60-166	1		30
Perfluoroundecanoic Acid (PFUnA)	92		92		60-153	0		30
Perfluorodecanesulfonic Acid (PFDS)	85		89		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	89		86		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		89		45-170	8		30
Perfluorododecanoic Acid (PFDoA)	92		90		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	113		117		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	95		88		59-182	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1533992-2 WG1533992-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		103		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		98		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		90		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		86		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		116		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	136		133		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		81		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		37		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		93		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		88		22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533768-3 QC Sample: L2100462-62 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	19.4	18.3	94		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	19.4	18.8	97		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	17.2	16.4	95		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	18.2	18.6	102		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	19.4	18.5	95		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	18.2	20.6	113		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	19.4	18.9	97		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	17.7	17.4	98		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	19.4	19.1	98		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	18.5	17.9	97		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	18.5	18.6	101		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	19.4	17.5	90		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	18	18.2	101		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	19.4	18.7	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	18.6	21.1	113		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	18.7	14.9	80		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	19.4	18.3F	94		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	19.4	18.9	97		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	18.7	14.3	76		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	19.4	14.9F	77		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	19.4	18.3	94		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	19.4	20.7	107		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533768-3 QC Sample: L2100462-62 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	19.4	19.2	99		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	40				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	46				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	45				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**19**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**39**	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**50**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**44**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**33**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**16**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**47**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**44**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**44**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**49**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**49**	Q			74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533768-4 QC Sample: L2100462-63 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.108J	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533768-4 QC Sample: L2100462-63 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**44**	Q	**39**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**42**	Q	**37**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**47**	Q	**40**	Q	74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	40		35		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**46**	Q	**40**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**41**	Q	**37**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**44**	Q	**37**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**41**	Q	**37**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	41		37		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**43**	Q	**38**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**40**	Q	**36**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	**33**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	39		31		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	**14**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**35**	Q	**30**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**14**	Q	**12**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**28**	Q	**23**	Q	54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533768-4 QC Sample: L2100462-63 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**12**	Q	**7**	Q	24-159

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/21 01:58
Analyst: CW
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 08/12/21 09:47
Cleanup Method: EPA 3665A
Cleanup Date: 08/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.8	3.80	1	A
Aroclor 1221	ND		ug/kg	42.8	4.29	1	A
Aroclor 1232	ND		ug/kg	42.8	9.07	1	A
Aroclor 1242	ND		ug/kg	42.8	5.77	1	A
Aroclor 1248	8.04	J	ug/kg	42.8	6.42	1	A
Aroclor 1254	11.2	J	ug/kg	42.8	4.68	1	A
Aroclor 1260	15.3	J	ug/kg	42.8	7.90	1	A
Aroclor 1262	ND		ug/kg	42.8	5.43	1	A
Aroclor 1268	10.3	J	ug/kg	42.8	4.43	1	A
PCBs, Total	44.8	J	ug/kg	42.8	3.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/13/21 01:36
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 08/12/21 09:47
Cleanup Method: EPA 3665A
Cleanup Date: 08/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1534316-1						
Aroclor 1016	ND		ug/kg	32.6	2.90	A
Aroclor 1221	ND		ug/kg	32.6	3.27	A
Aroclor 1232	ND		ug/kg	32.6	6.92	A
Aroclor 1242	ND		ug/kg	32.6	4.40	A
Aroclor 1248	ND		ug/kg	32.6	4.90	A
Aroclor 1254	ND		ug/kg	32.6	3.57	A
Aroclor 1260	ND		ug/kg	32.6	6.04	A
Aroclor 1262	ND		ug/kg	32.6	4.15	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
PCBs, Total	ND		ug/kg	32.6	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1534316-2 WG1534316-3									
Aroclor 1016	64		64		40-140	0		50	A
Aroclor 1260	64		62		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	63		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		60		30-150	B
Decachlorobiphenyl	66		66		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/12/21 22:33
Analyst: AR
Percent Solids: 76%
Methylation Date: 08/12/21 11:45

Extraction Method: EPA 8151A
Extraction Date: 08/11/21 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	215	13.6	1	A
2,4,5-T	ND		ug/kg	215	6.68	1	A
2,4,5-TP (Silvex)	ND		ug/kg	215	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 D
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/14/21 13:48
Analyst: KB
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 08/13/21 16:51
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.02	0.788	2	A
Lindane	ND		ug/kg	1.68	0.750	2	A
Alpha-BHC	ND		ug/kg	1.68	0.476	2	A
Beta-BHC	ND		ug/kg	4.02	1.53	2	A
Heptachlor	ND		ug/kg	2.01	0.902	2	A
Aldrin	ND		ug/kg	4.02	1.42	2	A
Heptachlor epoxide	ND		ug/kg	7.55	2.26	2	A
Endrin	ND		ug/kg	1.68	0.688	2	A
Endrin aldehyde	ND		ug/kg	5.03	1.76	2	A
Endrin ketone	ND		ug/kg	4.02	1.04	2	A
Dieldrin	ND		ug/kg	2.52	1.26	2	A
4,4'-DDE	ND		ug/kg	4.02	0.931	2	A
4,4'-DDD	4.22		ug/kg	4.02	1.44	2	B
4,4'-DDT	7.93		ug/kg	7.55	3.24	2	A
Endosulfan I	ND		ug/kg	4.02	0.951	2	A
Endosulfan II	ND		ug/kg	4.02	1.34	2	A
Endosulfan sulfate	ND		ug/kg	1.68	0.798	2	A
Methoxychlor	ND		ug/kg	7.55	2.35	2	A
Toxaphene	ND		ug/kg	75.5	21.1	2	A
cis-Chlordane	ND		ug/kg	5.03	1.40	2	A
trans-Chlordane	3.88	J	ug/kg	5.03	1.33	2	B
Chlordane	ND		ug/kg	33.5	13.3	2	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01 D
Client ID: EP20_4
Sample Location: BROOKLYN, NY

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	137		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/12/21 12:53
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/11/21 10:49

Methylation Date: 08/12/21 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1533849-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/14/21 13:59
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/13/21 11:46
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1534841-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.663	0.296	A
Alpha-BHC	ND		ug/kg	0.663	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.796	0.357	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	A
Endrin	ND		ug/kg	0.663	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.995	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.568	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.532	A
Endosulfan sulfate	ND		ug/kg	0.663	0.316	A
Methoxychlor	ND		ug/kg	2.98	0.928	A
Toxaphene	ND		ug/kg	29.8	8.36	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.525	A
Chlordane	ND		ug/kg	13.3	5.27	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/14/21 13:59
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/13/21 11:46
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1534841-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1533849-2 WG1533849-3									
2,4-D	84		83		30-150	1		30	A
2,4,5-T	83		83		30-150	0		30	A
2,4,5-TP (Silvex)	78		78		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		87		30-150	A
DCAA	86		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1534841-2 WG1534841-3									
Delta-BHC	78		98		30-150	23		30	A
Lindane	77		95		30-150	21		30	A
Alpha-BHC	70		89		30-150	24		30	A
Beta-BHC	75		96		30-150	25		30	A
Heptachlor	79		98		30-150	21		30	A
Aldrin	77		93		30-150	19		30	A
Heptachlor epoxide	68		85		30-150	22		30	A
Endrin	78		101		30-150	26		30	A
Endrin aldehyde	56		84		30-150	**40**	Q	30	A
Endrin ketone	67		88		30-150	27		30	A
Dieldrin	78		102		30-150	27		30	A
4,4'-DDE	72		92		30-150	24		30	A
4,4'-DDD	80		105		30-150	27		30	A
4,4'-DDT	80		107		30-150	29		30	A
Endosulfan I	70		88		30-150	23		30	A
Endosulfan II	76		98		30-150	25		30	A
Endosulfan sulfate	74		100		30-150	30		30	A
Methoxychlor	76		94		30-150	21		30	A
cis-Chlordane	57		72		30-150	23		30	A
trans-Chlordane	86		112		30-150	26		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1534841-2 WG1534841-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		91		30-150	A
Decachlorobiphenyl	76		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		77		30-150	B
Decachlorobiphenyl	64		84		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY
Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2550		mg/kg	10.1	2.72	2	08/10/21 20:03	08/12/21 18:57	EPA 3050B	1,6010D	VL
Antimony, Total	0.846	J	mg/kg	5.04	0.383	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Arsenic, Total	21.3		mg/kg	1.01	0.210	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Barium, Total	74.3		mg/kg	1.01	0.175	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Beryllium, Total	0.252	J	mg/kg	0.504	0.033	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Beryllium, Total	0.191	J	mg/kg	0.504	0.033	2	08/10/21 20:03	08/12/21 18:57	EPA 3050B	1,6010D	VL
Cadmium, Total	0.342	J	mg/kg	1.01	0.099	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Calcium, Total	43900		mg/kg	10.1	3.53	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Calcium, Total	39800		mg/kg	10.1	3.53	2	08/10/21 20:03	08/12/21 18:57	EPA 3050B	1,6010D	VL
Chromium, Total	7.83		mg/kg	1.01	0.097	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Cobalt, Total	3.36		mg/kg	2.02	0.167	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Copper, Total	39.0		mg/kg	1.01	0.260	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Iron, Total	9620		mg/kg	5.04	0.910	2	08/10/21 20:03	08/12/21 18:57	EPA 3050B	1,6010D	VL
Lead, Total	132		mg/kg	5.04	0.270	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Magnesium, Total	20800		mg/kg	10.1	1.55	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Magnesium, Total	19700		mg/kg	10.1	1.55	2	08/10/21 20:03	08/12/21 18:57	EPA 3050B	1,6010D	VL
Manganese, Total	104		mg/kg	1.01	0.160	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Mercury, Total	0.181		mg/kg	0.091	0.059	1	08/10/21 20:36	08/11/21 11:01	EPA 7471B	1,7471B	OU
Nickel, Total	7.12		mg/kg	2.52	0.244	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Potassium, Total	513		mg/kg	252	14.5	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Selenium, Total	1.44	J	mg/kg	2.02	0.260	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	1.01	0.285	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Sodium, Total	156	J	mg/kg	202	3.17	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.02	0.317	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Vanadium, Total	12.4		mg/kg	1.01	0.204	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL
Zinc, Total	82.3		mg/kg	5.04	0.295	2	08/10/21 20:03	08/11/21 22:42	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY
Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.8		mg/kg	1.0	1.1	1		08/12/21 23:29	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2142543

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1533398-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/10/21 20:36	08/11/21 10:18	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1533403-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/10/21 20:03	08/12/21 18:48	1,6010D	VL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Iron, Total	ND		mg/kg	2.00	0.361	1	08/10/21 20:03	08/12/21 18:48	1,6010D	VL
Lead, Total	ND		mg/kg	2.00	0.107	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	08/10/21 20:03	08/12/21 18:48	1,6010D	VL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/10/21 20:03	08/11/21 20:44	1,6010D	DL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533398-2 SRM Lot Number: D109-540								
Mercury, Total	100		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533403-2 SRM Lot Number: D109-540					
Aluminum, Total	70	-	50-150	-	
Antimony, Total	139	-	19-250	-	
Arsenic, Total	108	-	70-130	-	
Barium, Total	98	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	97	-	75-125	-	
Calcium, Total	99	-	73-128	-	
Chromium, Total	94	-	70-130	-	
Cobalt, Total	95	-	75-125	-	
Copper, Total	99	-	75-125	-	
Iron, Total	97	-	35-165	-	
Lead, Total	97	-	72-128	-	
Magnesium, Total	84	-	62-138	-	
Manganese, Total	92	-	74-126	-	
Nickel, Total	95	-	70-130	-	
Potassium, Total	86	-	59-141	-	
Selenium, Total	106	-	68-132	-	
Silver, Total	104	-	68-131	-	
Sodium, Total	96	-	35-165	-	
Thallium, Total	96	-	68-131	-	
Vanadium, Total	97	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533403-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533398-3 WG1533398-4 QC Sample: L2141925-01 Client ID: MS Sample												
Mercury, Total	0.432	0.585	1.12	118		0.972	87		80-120	14		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533403-3 QC Sample: L2142401-01 Client ID: MS Sample										
Aluminum, Total	4310	165	5240	**562**	Q	-	-	75-125	-	20
Antimony, Total	4.66	41.3	39.5	84		-	-	75-125	-	20
Arsenic, Total	12.9	9.92	25.6	**128**	Q	-	-	75-125	-	20
Barium, Total	116	165	267	91		-	-	75-125	-	20
Beryllium, Total	0.219	4.13	4.23	97		-	-	75-125	-	20
Cadmium, Total	4.21	4.38	7.94	85		-	-	75-125	-	20
Calcium, Total	4260	827	6050	**216**	Q	-	-	75-125	-	20
Chromium, Total	129	16.5	255	**762**	Q	-	-	75-125	-	20
Cobalt, Total	50.9	41.3	44.5	**0**	Q	-	-	75-125	-	20
Copper, Total	166	20.7	229	**305**	Q	-	-	75-125	-	20
Iron, Total	52500	82.7	50200	**0**	Q	-	-	75-125	-	20
Lead, Total	465	43.8	239	**0**	Q	-	-	75-125	-	20
Magnesium, Total	1580	827	2420	102		-	-	75-125	-	20
Manganese, Total	499	41.3	564	**157**	Q	-	-	75-125	-	20
Nickel, Total	73.6	41.3	175	**245**	Q	-	-	75-125	-	20
Potassium, Total	858	827	1590	88		-	-	75-125	-	20
Selenium, Total	0.944	9.92	9.71	88		-	-	75-125	-	20
Silver, Total	0.544	24.8	23.8	94		-	-	75-125	-	20
Sodium, Total	129	827	988	104		-	-	75-125	-	20
Thallium, Total	ND	9.92	6.68	**67**	Q	-	-	75-125	-	20
Vanadium, Total	26.9	41.3	69.9	104		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533403-3 QC Sample: L2142401-01 Client ID: MS Sample										
Zinc, Total	691	41.3	891	**484**	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533403-4 QC Sample: L2142401-01 Client ID: DUP Sample						
Arsenic, Total	12.9	15.0	mg/kg	15		20
Barium, Total	116	104	mg/kg	11		20
Cadmium, Total	4.21	5.80	mg/kg	**32**	Q	20
Chromium, Total	129	215	mg/kg	**50**	Q	20
Lead, Total	465	198	mg/kg	**81**	Q	20
Selenium, Total	0.944	1.38	mg/kg	**38**	Q	20
Silver, Total	0.544	0.696	mg/kg	**25**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533403-6 QC Sample: L2142401-01 Client ID: DUP Sample						
Arsenic, Total	12.9	16.8	mg/kg	**30**	Q	20
Barium, Total	116	137	mg/kg	18		20
Chromium, Total	129	162	mg/kg	**26**	Q	20
Lead, Total	465	606	mg/kg	**30**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2142543-01
Client ID: EP20_4
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/09/21 09:47
Date Received: 08/09/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	08/10/21 09:26	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.05	0.209	1	08/11/21 22:02	08/12/21 23:29	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2142543
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1534074-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/11/21 22:02	08/12/21 23:29	1,7196A	NA

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2142543

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1534074-2								
Chromium, Hexavalent	81		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1534074-4 QC Sample: L2142543-01 Client ID: EP20_4												
Chromium, Hexavalent	ND	1150	1070	93		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1533293-1 QC Sample: L2142317-21 Client ID: DUP Sample						
Solids, Total	94.7	94.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1534074-6 QC Sample: L2142543-01 Client ID: EP20_4						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2142543
Report Date: 08/23/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2142543-01A	Vial MeOH preserved	A	NA		5.6	Y	Absent		NYTCL-8260HLW(14)
L2142543-01B	Vial water preserved	A	NA		5.6	Y	Absent	10-AUG-21 07:09	NYTCL-8260HLW(14)
L2142543-01C	Vial water preserved	A	NA		5.6	Y	Absent	10-AUG-21 07:09	NYTCL-8260HLW(14)
L2142543-01D	Plastic 2oz unpreserved for TS	A	NA		5.6	Y	Absent		TS(7)
L2142543-01E	Plastic 120ml unpreserved	A	NA		5.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2142543-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2142543-01G	Glass 120ml/4oz unpreserved	A	NA		5.6	Y	Absent		HEXCR-7196(30)
L2142543-01H	Plastic 8oz unpreserved	A	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2142543-01I	Glass 500ml/16oz unpreserved	A	NA		5.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2142543-02A	Plastic 250ml unpreserved	A	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2142543
Project Number:	170229024	**Report Date:**	08/23/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/10/21

ALPHA Job #: L2142543

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project # 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals/trivalent Cr	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
L2543-01	EP20_4	8/9/2021	0947	Soil	YMD	X	X	X	X	X	X	X		
-02	PFB02_080921	8/9/2021	1345	AQ	YMD						X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	1440 8/9/21		8/9/21 1440
	8/9/21 1943		8/9/21 22:00
ASL	8/10/21 02:15		8/10/21 02:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2142763
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL ST
Project Number:	170229024
Report Date:	08/25/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2142763-01	EP05_2	SOIL	BROOKLYN, NY	08/10/21 14:20	08/10/21

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

Case Narrative (continued)

Report Submission

August 25, 2021: This final report includes the results of all requested analyses.

August 17, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2142763-01: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

Total Metals

L2142763-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1533957-3 MS recoveries for aluminum (0%), arsenic (0%), calcium (0%), copper (0%), lead (0%), magnesium (0%), manganese (0%) and zinc (0%), performed on L2142763-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1533957-3 MS recoveries, performed on L2142763-01, are outside the acceptance criteria for barium (0%), chromium (0%), cobalt (68%), nickel (36%), potassium (0%), sodium (64%) and vanadium (21%). A post digestion spike was performed and yielded unacceptable recoveries for barium (1.8%), chromium (0%), cobalt (72%), nickel (47%), potassium (0%), sodium (68%) and vanadium (30%). The serial dilution recovery was not acceptable; therefore, these elements fail the matrix test and the result reported in the native sample should be considered estimated.

The WG1533957-3 MS recoveries, performed on L2142763-01, are outside the acceptance criteria for antimony (69%) and thallium (73%). A post digestion spike was performed and was within acceptance criteria.

The WG1533957-3 MS recovery for iron (0%), performed on L2142763-01, does not apply because the sample concentration is greater than four times the spike amount added.

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

Case Narrative (continued)

The WG1533965-3 MS recovery for mercury (308%), performed on L2142763-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1533957-4 Laboratory Duplicate RPDs for aluminum (85%), arsenic (62%), barium (87%), beryllium (67%), calcium (46%), chromium (45%), cobalt (87%), copper (77%), lead (91%), magnesium (43%), manganese (45%), nickel (86%), potassium (70%), sodium (83%), vanadium (74%) and zinc (119%), performed on L2142763-01, is outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1533957-4 Laboratory Duplicate RPD for iron (75%), performed on L2142763-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1533957-6 serial dilution analysis, associated with L2142763-01, had a %D above the acceptance criteria for iron (41%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 08/25/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/12/21 08:31
Analyst: TMS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/21 06:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1534246-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
Methylene chloride	81		81		70-130	0		30
1,1-Dichloroethane	83		83		70-130	0		30
Chloroform	86		85		70-130	1		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	85		85		70-130	0		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	94		91		70-130	3		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	90		90		70-130	0		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	91		90		70-130	1		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	92		90		70-130	2		30
Benzene	84		83		70-130	1		30
Toluene	86		86		70-130	0		30
Ethylbenzene	88		88		70-130	0		30
Chloromethane	57		55		52-130	4		30
Bromomethane	88		85		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Vinyl chloride	72		71		67-130	1		30
Chloroethane	90		86		50-151	5		30
1,1-Dichloroethene	80		78		65-135	3		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	89		88		70-130	1		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	99		97		70-130	2		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	86		86		70-130	0		30
Dibromomethane	93		93		70-130	0		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	45		44		30-146	2		30
Acetone	85		86		54-140	1		30
Carbon disulfide	68		68		59-130	0		30
2-Butanone	**62**	Q	**63**	Q	70-130	2		30
Vinyl acetate	82		81		70-130	1		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	89		87		68-130	2		30
2-Hexanone	79		82		70-130	4		30
Bromochloromethane	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
2,2-Dichloropropane	86		84		70-130	2		30
1,2-Dibromoethane	88		88		70-130	0		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	95		93		70-130	2		30
sec-Butylbenzene	90		89		70-130	1		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	73		72		70-130	1		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	85		84		68-130	1		30
Hexachlorobutadiene	96		94		67-130	2		30
Isopropylbenzene	89		87		70-130	2		30
p-Isopropyltoluene	95		93		70-130	2		30
Naphthalene	96		94		70-130	2		30
Acrylonitrile	79		78		70-130	1		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	107		105		70-130	2		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	90		89		70-130	1		30
1,4-Dioxane	87		85		65-136	2		30
p-Diethylbenzene	97		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1534246-3 WG1534246-4								
p-Ethyltoluene	91		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		94		70-130	2		30
Ethyl ether	84		82		67-130	2		30
trans-1,4-Dichloro-2-butene	91		88		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/21 08:30
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	4400		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	500		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	430		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	45	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2142763

Project Number: 170229024 **Report Date:** 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01 Date Collected: 08/10/21 14:20

Client ID: EP05_2 Date Received: 08/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2900		ug/kg	110	20.	1
Benzo(a)pyrene	2600		ug/kg	140	44.	1
Benzo(b)fluoranthene	3100		ug/kg	110	30.	1
Benzo(k)fluoranthene	1300		ug/kg	110	29.	1
Chrysene	2700		ug/kg	110	19.	1
Acenaphthylene	170		ug/kg	140	28.	1
Anthracene	940		ug/kg	110	35.	1
Benzo(ghi)perylene	2000		ug/kg	140	21.	1
Fluorene	250		ug/kg	180	18.	1
Phenanthrene	3200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	530		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	140	25.	1
Pyrene	4100		ug/kg	110	18.	1
Biphenyl	97	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	340		ug/kg	180	17.	1
2-Methylnaphthalene	300		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	230		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	81		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 06:03
Analyst: HT
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 08:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.526	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.071	J	ng/g	0.526	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.064	J	ng/g	0.526	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	0.087	J	ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.526	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.526	0.144	1
Perfluorononanoic Acid (PFNA)	0.086	J	ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.502		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	0.072	J	ng/g	0.263	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.526	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.526	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.526	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.526	0.161	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.526	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.526	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.526	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.526	0.057	1
PFOA/PFOS, Total	0.589	J	ng/g	0.263	0.044	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	99		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	38		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 14:19
Analyst: RS
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 08:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.526	0.103	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	93		10-117

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 23:42
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 08:47

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1534231-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	0.063	J	ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/12/21 23:42
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 08:47

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1534231-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	68		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 13:57
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 08:47

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1534231-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101		10-117

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1534231-2								
Perfluorobutanoic Acid (PFBA)	104		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	105		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	100		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	105		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	105		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	125		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	108		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	109		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	107		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	105		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1534231-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1534231-2								
Perfluorooctanesulfonamide (FOSA)	82		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	102				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
Acenaphthene	81		77		31-137	5		50
1,2,4-Trichlorobenzene	77		74		38-107	4		50
Hexachlorobenzene	78		76		40-140	3		50
Bis(2-chloroethyl)ether	80		76		40-140	5		50
2-Chloronaphthalene	81		78		40-140	4		50
1,2-Dichlorobenzene	76		71		40-140	7		50
1,3-Dichlorobenzene	75		69		40-140	8		50
1,4-Dichlorobenzene	75		70		28-104	7		50
3,3'-Dichlorobenzidine	70		70		40-140	0		50
2,4-Dinitrotoluene	82		81		40-132	1		50
2,6-Dinitrotoluene	85		84		40-140	1		50
Fluoranthene	83		82		40-140	1		50
4-Chlorophenyl phenyl ether	82		79		40-140	4		50
4-Bromophenyl phenyl ether	81		80		40-140	1		50
Bis(2-chloroisopropyl)ether	76		72		40-140	5		50
Bis(2-chloroethoxy)methane	80		76		40-117	5		50
Hexachlorobutadiene	78		74		40-140	5		50
Hexachlorocyclopentadiene	73		70		40-140	4		50
Hexachloroethane	72		69		40-140	4		50
Isophorone	84		80		40-140	5		50
Naphthalene	81		76		40-140	6		50
Nitrobenzene	82		78		40-140	5		50
NDPA/DPA	84		81		36-157	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
n-Nitrosodi-n-propylamine	83		80		32-121	4		50
Bis(2-ethylhexyl)phthalate	93		89		40-140	4		50
Butyl benzyl phthalate	87		87		40-140	0		50
Di-n-butylphthalate	89		86		40-140	3		50
Di-n-octylphthalate	91		89		40-140	2		50
Diethyl phthalate	81		79		40-140	3		50
Dimethyl phthalate	84		81		40-140	4		50
Benzo(a)anthracene	84		81		40-140	4		50
Benzo(a)pyrene	85		83		40-140	2		50
Benzo(b)fluoranthene	89		82		40-140	8		50
Benzo(k)fluoranthene	80		80		40-140	0		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	83		80		40-140	4		50
Anthracene	81		79		40-140	3		50
Benzo(ghi)perylene	82		80		40-140	2		50
Fluorene	83		80		40-140	4		50
Phenanthrene	79		77		40-140	3		50
Dibenzo(a,h)anthracene	88		85		40-140	3		50
Indeno(1,2,3-cd)pyrene	87		83		40-140	5		50
Pyrene	82		80		35-142	2		50
Biphenyl	80		76		37-127	5		50
4-Chloroaniline	62		61		40-140	2		50
2-Nitroaniline	84		81		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
3-Nitroaniline	68		67		26-129	1		50
4-Nitroaniline	76		75		41-125	1		50
Dibenzofuran	79		78		40-140	1		50
2-Methylnaphthalene	80		77		40-140	4		50
1,2,4,5-Tetrachlorobenzene	80		76		40-117	5		50
Acetophenone	77		73		14-144	5		50
2,4,6-Trichlorophenol	83		81		30-130	2		50
p-Chloro-m-cresol	88		84		26-103	5		50
2-Chlorophenol	84		80		25-102	5		50
2,4-Dichlorophenol	85		81		30-130	5		50
2,4-Dimethylphenol	87		83		30-130	5		50
2-Nitrophenol	83		79		30-130	5		50
4-Nitrophenol	87		82		11-114	6		50
2,4-Dinitrophenol	84		78		4-130	7		50
4,6-Dinitro-o-cresol	88		85		10-130	3		50
Pentachlorophenol	80		77		17-109	4		50
Phenol	85		80		26-90	6		50
2-Methylphenol	85		80		30-130.	6		50
3-Methylphenol/4-Methylphenol	93		88		30-130	6		50
2,4,5-Trichlorophenol	86		85		30-130	1		50
Benzoic Acid	82		66		10-110	22		50
Benzyl Alcohol	85		82		40-140	4		50
Carbazole	81		79		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
1,4-Dioxane	66		61		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		81		25-120
Phenol-d6	84		79		10-120
Nitrobenzene-d5	82		78		23-120
2-Fluorobiphenyl	83		79		30-120
2,4,6-Tribromophenol	78		74		10-136
4-Terphenyl-d14	90		90		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534231-3 WG1534231-4 QC Sample: L2142611-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.029J	5.06	5.25	103		5.50	104		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	ND	5.06	5.41	107		5.66	107		69-132	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.49	4.56	102		4.87	104		72-128	7		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.73	6.16	130		6.29	127		62-145	2		30
Perfluorohexanoic Acid (PFHxA)	0.056J	5.06	5.36	105		5.68	106		70-132	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.75	4.25	89		4.65	94		73-123	9		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.06	5.20	103		5.42	103		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.62	4.66	101		5.17	107		67-130	10		30
Perfluorooctanoic Acid (PFOA)	0.067J	5.06	5.27	103		5.52	103		69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.81	5.48	114		5.68	113		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.81	4.80	100		5.29	105		70-132	10		30
Perfluorononanoic Acid (PFNA)	ND	5.06	5.29	105		5.51	104		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.69	5.04	107		5.29	108		68-136	5		30
Perfluorodecanoic Acid (PFDA)	ND	5.06	5.01	99		5.36	101		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.85	6.84	**141**	Q	6.70	132		65-137	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.86	4.71	97		5.14	101		69-125	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.06	5.42	107		5.44	103		63-144	0		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.06	5.13	101		5.59	106		64-136	9		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.87	5.08	104		5.42	106		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	ND	5.06	5.56	110		5.93	112		67-137	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.06	5.30	105		5.16	98		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	ND	5.06	5.50	109		5.44	103		69-135	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534231-3 WG1534231-4 QC Sample: L2142611-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.06	6.26	124		6.44	122		66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.06	5.36	106		5.73	108		69-133	7		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		84		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	47		51		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		97		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	44		48		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	39		45		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		102		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		102		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		88		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		106		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		105		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		93		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		102		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		50		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		109		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		100		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		100		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		109		74-139

PCBS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/16/21 14:32
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 16:32
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.21	1	A
Aroclor 1221	ND		ug/kg	36.2	3.62	1	A
Aroclor 1232	ND		ug/kg	36.2	7.67	1	A
Aroclor 1242	ND		ug/kg	36.2	4.88	1	A
Aroclor 1248	ND		ug/kg	36.2	5.42	1	A
Aroclor 1254	ND		ug/kg	36.2	3.96	1	A
Aroclor 1260	37.8		ug/kg	36.2	6.68	1	A
Aroclor 1262	ND		ug/kg	36.2	4.59	1	A
Aroclor 1268	ND		ug/kg	36.2	3.75	1	A
PCBs, Total	37.8		ug/kg	36.2	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/16/21 14:11
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 08/15/21 16:32
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1535280-1						
Aroclor 1016	ND		ug/kg	32.8	2.92	A
Aroclor 1221	ND		ug/kg	32.8	3.29	A
Aroclor 1232	ND		ug/kg	32.8	6.96	A
Aroclor 1242	ND		ug/kg	32.8	4.43	A
Aroclor 1248	ND		ug/kg	32.8	4.93	A
Aroclor 1254	ND		ug/kg	32.8	3.59	A
Aroclor 1260	ND		ug/kg	32.8	6.07	A
Aroclor 1262	ND		ug/kg	32.8	4.17	A
Aroclor 1268	ND		ug/kg	32.8	3.40	A
PCBs, Total	ND		ug/kg	32.8	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535280-2 WG1535280-3									
Aroclor 1016	104		105		40-140	1		50	A
Aroclor 1260	95		94		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	A
Decachlorobiphenyl	73		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		97		30-150	B
Decachlorobiphenyl	81		84		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/17/21 12:34
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.735	0.328	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.882	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.992	1	A
Endrin	ND		ug/kg	0.735	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.771	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	4.79		ug/kg	3.31	1.42	1	B
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.26	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.7	5.84	1	A

Project Name: 45 COMMERCIAL ST
Lab Number: L2142763
Project Number: 170229024
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/16/21 11:00
Analyst: SDC
Percent Solids: 90%
Methylation Date: 08/12/21 11:45

Extraction Method: EPA 8151A
Extraction Date: 08/11/21 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.68	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	79		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/12/21 12:53
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/11/21 10:49

Methylation Date: 08/12/21 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1533849-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	81		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/21 12:01
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1535267-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.0	5.19	A

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/21 12:01
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1535267-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1533849-2 WG1533849-3									
2,4-D	84		83		30-150	1		30	A
2,4,5-T	83		83		30-150	0		30	A
2,4,5-TP (Silvex)	78		78		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		87		30-150	A
DCAA	86		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535267-2 WG1535267-3									
Delta-BHC	96		109		30-150	13		30	A
Lindane	95		106		30-150	11		30	A
Alpha-BHC	91		102		30-150	11		30	A
Beta-BHC	96		105		30-150	9		30	A
Heptachlor	98		110		30-150	12		30	A
Aldrin	97		111		30-150	13		30	A
Heptachlor epoxide	84		97		30-150	14		30	A
Endrin	96		111		30-150	14		30	A
Endrin aldehyde	69		84		30-150	20		30	A
Endrin ketone	79		92		30-150	15		30	A
Dieldrin	99		114		30-150	14		30	A
4,4'-DDE	91		106		30-150	15		30	A
4,4'-DDD	100		117		30-150	16		30	A
4,4'-DDT	102		119		30-150	15		30	A
Endosulfan I	87		99		30-150	13		30	A
Endosulfan II	92		108		30-150	16		30	A
Endosulfan sulfate	79		96		30-150	19		30	A
Methoxychlor	91		103		30-150	12		30	A
cis-Chlordane	73		83		30-150	13		30	A
trans-Chlordane	105		122		30-150	15		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535267-2 WG1535267-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		100		30-150	A
Decachlorobiphenyl	107		124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		89		30-150	B
Decachlorobiphenyl	89		102		30-150	B

METALS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12500		mg/kg	8.53	2.30	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Antimony, Total	2.67	J	mg/kg	4.26	0.324	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Arsenic, Total	82.5		mg/kg	0.853	0.177	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Barium, Total	329		mg/kg	0.853	0.148	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Beryllium, Total	1.11		mg/kg	0.426	0.028	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Cadmium, Total	0.665	J	mg/kg	0.853	0.084	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Calcium, Total	36100		mg/kg	8.53	2.98	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Chromium, Total	44.1		mg/kg	0.853	0.082	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Cobalt, Total	14.9		mg/kg	1.70	0.142	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Copper, Total	267		mg/kg	0.853	0.220	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Iron, Total	70900		mg/kg	42.6	7.70	20	08/11/21 20:41	08/25/21 11:26	EPA 3050B	1,6010D	GD
Lead, Total	712		mg/kg	4.26	0.228	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Magnesium, Total	14900		mg/kg	8.53	1.31	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Manganese, Total	373		mg/kg	0.853	0.136	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Mercury, Total	0.650		mg/kg	0.071	0.046	1	08/11/21 21:13	08/12/21 13:58	EPA 7471B	1,7471B	OU
Nickel, Total	33.8		mg/kg	2.13	0.206	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Potassium, Total	1950		mg/kg	213	12.3	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Selenium, Total	2.55		mg/kg	1.70	0.220	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Silver, Total	0.332	J	mg/kg	0.853	0.241	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Sodium, Total	586		mg/kg	170	2.68	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Vanadium, Total	60.7		mg/kg	0.853	0.173	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
Zinc, Total	757		mg/kg	4.26	0.250	2	08/11/21 20:41	08/25/21 10:32	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	44		mg/kg	0.89	0.89	1		08/25/21 10:32	NA	107,-	

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1533957-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Iron, Total	ND		mg/kg	2.00	0.361	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Sodium, Total	1.93	J	mg/kg	80.0	1.26	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/11/21 20:41	08/25/21 10:09	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1533965-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/11/21 21:13	08/12/21 13:52	1,7471B	OU

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533957-2 SRM Lot Number: D109-540								
Aluminum, Total	70		-		50-150	-		
Antimony, Total	96		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	93		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	97		-		73-128	-		
Chromium, Total	97		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	91		-		35-165	-		
Lead, Total	92		-		72-128	-		
Magnesium, Total	85		-		62-138	-		
Manganese, Total	91		-		74-126	-		
Nickel, Total	96		-		70-130	-		
Potassium, Total	86		-		59-141	-		
Selenium, Total	97		-		68-132	-		
Silver, Total	96		-		68-131	-		
Sodium, Total	104		-		35-165	-		
Thallium, Total	97		-		68-131	-		
Vanadium, Total	96		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533957-2 SRM Lot Number: D109-540					
Zinc, Total	95	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1533965-2 SRM Lot Number: D109-540					
Mercury, Total	95	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-3 QC Sample: L2142763-01 Client ID: EP05_2												
Aluminum, Total	12500	175	5380	**0**	Q	-	-		75-125	-		20
Antimony, Total	2.67J	43.8	30.2	**69**	Q	-	-		75-125	-		20
Arsenic, Total	82.5	10.5	48.6	**0**	Q	-	-		75-125	-		20
Barium, Total	329	175	284	**0**	Q	-	-		75-125	-		20
Beryllium, Total	1.11	4.38	4.58	79		-	-		75-125	-		20
Cadmium, Total	0.665J	4.64	4.51	97		-	-		75-125	-		20
Calcium, Total	36100	876	23300	**0**	Q	-	-		75-125	-		20
Chromium, Total	44.1	17.5	39.0	**0**	Q	-	-		75-125	-		20
Cobalt, Total	14.9	43.8	44.6	**68**	Q	-	-		75-125	-		20
Copper, Total	267	21.9	124	**0**	Q	-	-		75-125	-		20
Iron, Total	70900	87.6	29300	**0**	Q	-	-		75-125	-		20
Lead, Total	712	46.4	283	**0**	Q	-	-		75-125	-		20
Magnesium, Total	14900	876	11800	**0**	Q	-	-		75-125	-		20
Manganese, Total	373	43.8	196	**0**	Q	-	-		75-125	-		20
Nickel, Total	33.8	43.8	49.8	**36**	Q	-	-		75-125	-		20
Potassium, Total	1950	876	1870	**0**	Q	-	-		75-125	-		20
Selenium, Total	2.55	10.5	11.0	80		-	-		75-125	-		20
Silver, Total	0.332J	26.3	26.0	99		-	-		75-125	-		20
Sodium, Total	586	876	1150	**64**	Q	-	-		75-125	-		20
Thallium, Total	ND	10.5	7.68	**73**	Q	-	-		75-125	-		20
Vanadium, Total	60.7	43.8	69.8	**21**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-3 QC Sample: L2142763-01 Client ID: EP05_2										
Zinc, Total	757	43.8	349	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533965-3 QC Sample: L2142763-01 Client ID: EP05_2										
Mercury, Total	0.650	0.143	1.09	**308**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-4 QC Sample: L2142763-01 Client ID: EP05_2						
Aluminum, Total	12500	5040	mg/kg	**85**	Q	20
Antimony, Total	2.67J	1.33J	mg/kg	NC		20
Arsenic, Total	82.5	43.6	mg/kg	**62**	Q	20
Barium, Total	329	130	mg/kg	**87**	Q	20
Beryllium, Total	1.11	0.550	mg/kg	**67**	Q	20
Cadmium, Total	0.665J	0.284J	mg/kg	NC		20
Calcium, Total	36100	22600	mg/kg	**46**	Q	20
Chromium, Total	44.1	27.8	mg/kg	**45**	Q	20
Cobalt, Total	14.9	5.86	mg/kg	**87**	Q	20
Copper, Total	267	119	mg/kg	**77**	Q	20
Lead, Total	712	268	mg/kg	**91**	Q	20
Magnesium, Total	14900	9590	mg/kg	**43**	Q	20
Manganese, Total	373	237	mg/kg	**45**	Q	20
Nickel, Total	33.8	13.4	mg/kg	**86**	Q	20
Potassium, Total	1950	943	mg/kg	**70**	Q	20
Selenium, Total	2.55	1.36J	mg/kg	NC		20
Silver, Total	0.332J	ND	mg/kg	NC		20
Sodium, Total	586	243	mg/kg	**83**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-4 QC Sample: L2142763-01 Client ID: EP05_2						
Vanadium, Total	60.7	27.8	mg/kg	**74**	Q	20
Zinc, Total	757	191	mg/kg	**119**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-4 QC Sample: L2142763-01 Client ID: EP05_2						
Iron, Total	70900	32400	mg/kg	**75**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533965-4 QC Sample: L2142763-01 Client ID: EP05_2						
Mercury, Total	0.650	0.648	mg/kg	0		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1533957-6 QC Sample: L2142763-01 Client ID: EP05_2						
Iron, Total	70900	41900	mg/kg	**41**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2142763-01
Client ID: EP05_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/10/21 14:20
Date Received: 08/10/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	08/11/21 06:47	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.893	0.178	1	08/16/21 22:18	08/17/21 17:04	1,7196A	PB

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1535658-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/16/21 22:18	08/17/21 17:04	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1535658-2								
Chromium, Hexavalent	96		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1535658-4 QC Sample: L2142763-01 Client ID: EP05_2												
Chromium, Hexavalent	ND	1150	1080	94		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142763

Report Date: 08/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1533719-1 QC Sample: L2142769-01 Client ID: DUP Sample						
Solids, Total	88.5	89.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1535658-6 QC Sample: L2142763-01 Client ID: EP05_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142763
Report Date: 08/25/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2142763-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2142763-01B	Vial water preserved	A	NA		2.8	Y	Absent	11-AUG-21 04:53	NYTCL-8260HLW(14)
L2142763-01C	Vial water preserved	A	NA		2.8	Y	Absent	11-AUG-21 04:53	NYTCL-8260HLW(14)
L2142763-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2142763-01E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2142763-01F	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2142763-01G	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2142763-01H	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2142763-01I	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142763
Report Date: 08/25/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142763
Project Number:	170229024	**Report Date:**	08/25/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/11/21

ALPHA Job #: L2142763

Client Information

Client: LANGAN
Address: 360 W 31st St
NY, NY 10001
Phone: 212 479 5400
Fax:
Email: WKIM@LANGAN

Project Information

Project Name: MJ Community Fit
Project Location: Brooklyn NY
Project #: 170229024
(Use Project name as Project #)
Project Manager: WOO KIM
ALPHAQuote #:

Turn-Around Time

Standard: X
Due Date:
Rush (only if pre approved):
# of Days:

Deliverables

- ASP-A
- X ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Billing Information

- Same as Client Info
PO #

Regulatory Requirement

- NY TOGS
- X NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

- Part 375 Svoc + VOC
- PCBs
- Pesticides/Herbicides
- PFAS
- 1,4-Dioxane
- TAL Metals + Hex/Tri Chrome

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
42763 - 01	EPOS_2	8/10/21	1420	SO	CG	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] Langan	8/10/21 1508	[illegible] Langan AAL	8/10/21 15:10
[illegible] Langan AAL	8/10/21 18:45	[illegible] AAL	8/10/21 20:30
[illegible] AAL	8/11/21 00:45	[illegible]	8/11/21 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2143089
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/23/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2143089-01	EP04_2	SOIL	BROOKLYN, NY	08/11/21 13:35	08/11/21
L2143089-02	PFB03_081121	WATER	BROOKLYN, NY	08/11/21 13:55	08/11/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143089
Project Number:	170229024	**Report Date:**	08/23/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143089
Project Number:	170229024	**Report Date:**	08/23/21

Case Narrative (continued)

Report Submission

August 23, 2021: This final report includes the results of all requested analyses.

August 18, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1534491: An LCS/LCSD was performed in lieu of a Matrix Spike and Laboratory Duplicate due to insufficient sample volume available for analysis.

Total Metals

L2143089-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1535715-4 Insoluble MS recovery for chromium, hexavalent (48%), performed on L2143089-01, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (31%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 103%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 08/23/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/21 22:42
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/21 19:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1535484-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	0.83	J	ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/21 19:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1535484-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/21 19:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1535484-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.20	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1535484-3 WG1535484-4								
Methylene chloride	113		112		70-130	1		30
1,1-Dichloroethane	118		119		70-130	1		30
Chloroform	105		105		70-130	0		30
Carbon tetrachloride	119		118		70-130	1		30
1,2-Dichloropropane	114		114		70-130	0		30
Dibromochloromethane	106		106		70-130	0		30
1,1,2-Trichloroethane	104		105		70-130	1		30
Tetrachloroethene	113		112		70-130	1		30
Chlorobenzene	103		105		70-130	2		30
Trichlorofluoromethane	**143**	Q	**145**	Q	70-139	1		30
1,2-Dichloroethane	108		110		70-130	2		30
1,1,1-Trichloroethane	117		119		70-130	2		30
Bromodichloromethane	111		111		70-130	0		30
trans-1,3-Dichloropropene	105		108		70-130	3		30
cis-1,3-Dichloropropene	113		114		70-130	1		30
1,1-Dichloropropene	116		117		70-130	1		30
Bromoform	93		97		70-130	4		30
1,1,2,2-Tetrachloroethane	98		102		70-130	4		30
Benzene	112		112		70-130	0		30
Toluene	104		104		70-130	0		30
Ethylbenzene	106		106		70-130	0		30
Chloromethane	128		128		52-130	0		30
Bromomethane	147		**150**	Q	57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1535484-3 WG1535484-4								
Vinyl chloride	**141**	Q	**139**	Q	67-130	1		30
Chloroethane	133		134		50-151	1		30
1,1-Dichloroethene	123		120		65-135	2		30
trans-1,2-Dichloroethene	116		114		70-130	2		30
Trichloroethene	116		116		70-130	0		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	100		99		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	106		106		66-130	0		30
p/m-Xylene	107		107		70-130	0		30
o-Xylene	105		106		70-130	1		30
cis-1,2-Dichloroethene	114		113		70-130	1		30
Dibromomethane	105		107		70-130	2		30
Styrene	105		106		70-130	1		30
Dichlorodifluoromethane	**175**	Q	**173**	Q	30-146	1		30
Acetone	102		105		54-140	3		30
Carbon disulfide	119		119		59-130	0		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	117		122		70-130	4		30
4-Methyl-2-pentanone	86		90		70-130	5		30
1,2,3-Trichloropropane	94		98		68-130	4		30
2-Hexanone	94		98		70-130	4		30
Bromochloromethane	109		110		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1535484-3 WG1535484-4								
2,2-Dichloropropane	116		116		70-130	0		30
1,2-Dibromoethane	103		104		70-130	1		30
1,3-Dichloropropane	101		103		69-130	2		30
1,1,1,2-Tetrachloroethane	107		109		70-130	2		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	107		106		70-130	1		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	104		105		70-130	1		30
o-Chlorotoluene	100		101		70-130	1		30
p-Chlorotoluene	101		101		70-130	0		30
1,2-Dibromo-3-chloropropane	85		90		68-130	6		30
Hexachlorobutadiene	109		108		67-130	1		30
Isopropylbenzene	105		105		70-130	0		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	105		110		70-130	5		30
n-Propylbenzene	103		103		70-130	0		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	102		101		70-130	1		30
1,3,5-Trimethylbenzene	102		103		70-130	1		30
1,2,4-Trimethylbenzene	101		102		70-130	1		30
1,4-Dioxane	94		101		65-136	7		30
p-Diethylbenzene	104		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1535484-3 WG1535484-4								
p-Ethyltoluene	102		102		70-130	0		30
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		30
Ethyl ether	120		124		67-130	3		30
trans-1,4-Dichloro-2-butene	99		102		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/21 14:44
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	35	J	ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	3000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	690		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	430		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1900		ug/kg	110	20.	1
Benzo(a)pyrene	1800		ug/kg	140	44.	1
Benzo(b)fluoranthene	2200		ug/kg	110	30.	1
Benzo(k)fluoranthene	940		ug/kg	110	29.	1
Chrysene	2000		ug/kg	110	19.	1
Acenaphthylene	140		ug/kg	140	28.	1
Anthracene	810		ug/kg	110	35.	1
Benzo(ghi)perylene	1300		ug/kg	140	21.	1
Fluorene	370		ug/kg	180	18.	1
Phenanthrene	2800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	370		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	140	25.	1
Pyrene	3000		ug/kg	110	18.	1
Biphenyl	140	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	400		ug/kg	180	17.	1
2-Methylnaphthalene	640		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	260		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	74		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/17/21 11:36
Analyst: HT
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/16/21 12:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.506	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.506	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.253	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.506	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.253	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.253	0.061	1
Perfluorooctanoic Acid (PFOA)	0.158	J	ng/g	0.253	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.506	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.506	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.253	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.253	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.253	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.506	0.290	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.506	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.506	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.506	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.506	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.506	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.506	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.506	0.207	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.506	0.055	1
PFOA/PFOS, Total	0.158	J	ng/g	0.253	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	114		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	116		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-02
Client ID: PFB03_081121
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:55
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 15:43
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.281	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.882	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.335	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.212	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-02 Date Collected: 08/11/21 13:55

Client ID: PFB03_081121 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	136		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 14:03
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 16:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1534491-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/13/21 14:03
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/12/21 16:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1534491-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	135		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 22:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1535231-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	95		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/16/21 22:47
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/16/21 12:51

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1535382-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.459	0.021
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.459	0.042
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.229	0.036
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.459	0.048
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.229	0.041
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.229	0.056
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.229	0.038
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.459	0.165
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.459	0.125
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.229	0.069
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.229	0.119
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.229	0.062
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.459	0.263
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.459	0.185
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.459	0.043
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.459	0.140
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.459	0.090
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.459	0.078
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.459	0.064
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.459	0.188
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.459	0.050
PFOA/PFOS, Total	ND		ng/g	0.229	0.038

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/16/21 22:47
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/16/21 12:51

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1535382-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1534491-2 WG1534491-3								
Perfluorobutanoic Acid (PFBA)	101		100		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	102		104		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	99		100		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	102		104		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	101		101		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	99		107		69-177	8		30
Perfluorooctanoic Acid (PFOA)	103		102		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		109		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		114		61-179	10		30
Perfluorononanoic Acid (PFNA)	101		102		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	104		106		52-151	2		30
Perfluorodecanoic Acid (PFDA)	104		102		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		125		56-173	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	105		108		60-166	3		30
Perfluoroundecanoic Acid (PFUnA)	100		104		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	101		106		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	98		103		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		97		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	100		116		67-153	15		30
Perfluorotridecanoic Acid (PFTrDA)	113		118		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	106		105		59-182	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1534491-2 WG1534491-3

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	134		137		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		108		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		93		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		111		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		101		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		102		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		32		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		79		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		98		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
Acenaphthene	81		77		31-137	5		50
1,2,4-Trichlorobenzene	77		74		38-107	4		50
Hexachlorobenzene	78		76		40-140	3		50
Bis(2-chloroethyl)ether	80		76		40-140	5		50
2-Chloronaphthalene	81		78		40-140	4		50
1,2-Dichlorobenzene	76		71		40-140	7		50
1,3-Dichlorobenzene	75		69		40-140	8		50
1,4-Dichlorobenzene	75		70		28-104	7		50
3,3'-Dichlorobenzidine	70		70		40-140	0		50
2,4-Dinitrotoluene	82		81		40-132	1		50
2,6-Dinitrotoluene	85		84		40-140	1		50
Fluoranthene	83		82		40-140	1		50
4-Chlorophenyl phenyl ether	82		79		40-140	4		50
4-Bromophenyl phenyl ether	81		80		40-140	1		50
Bis(2-chloroisopropyl)ether	76		72		40-140	5		50
Bis(2-chloroethoxy)methane	80		76		40-117	5		50
Hexachlorobutadiene	78		74		40-140	5		50
Hexachlorocyclopentadiene	73		70		40-140	4		50
Hexachloroethane	72		69		40-140	4		50
Isophorone	84		80		40-140	5		50
Naphthalene	81		76		40-140	6		50
Nitrobenzene	82		78		40-140	5		50
NDPA/DPA	84		81		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
n-Nitrosodi-n-propylamine	83		80		32-121	4		50
Bis(2-ethylhexyl)phthalate	93		89		40-140	4		50
Butyl benzyl phthalate	87		87		40-140	0		50
Di-n-butylphthalate	89		86		40-140	3		50
Di-n-octylphthalate	91		89		40-140	2		50
Diethyl phthalate	81		79		40-140	3		50
Dimethyl phthalate	84		81		40-140	4		50
Benzo(a)anthracene	84		81		40-140	4		50
Benzo(a)pyrene	85		83		40-140	2		50
Benzo(b)fluoranthene	89		82		40-140	8		50
Benzo(k)fluoranthene	80		80		40-140	0		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	83		80		40-140	4		50
Anthracene	81		79		40-140	3		50
Benzo(ghi)perylene	82		80		40-140	2		50
Fluorene	83		80		40-140	4		50
Phenanthrene	79		77		40-140	3		50
Dibenzo(a,h)anthracene	88		85		40-140	3		50
Indeno(1,2,3-cd)pyrene	87		83		40-140	5		50
Pyrene	82		80		35-142	2		50
Biphenyl	80		76		37-127	5		50
4-Chloroaniline	62		61		40-140	2		50
2-Nitroaniline	84		81		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
3-Nitroaniline	68		67		26-129	1		50
4-Nitroaniline	76		75		41-125	1		50
Dibenzofuran	79		78		40-140	1		50
2-Methylnaphthalene	80		77		40-140	4		50
1,2,4,5-Tetrachlorobenzene	80		76		40-117	5		50
Acetophenone	77		73		14-144	5		50
2,4,6-Trichlorophenol	83		81		30-130	2		50
p-Chloro-m-cresol	88		84		26-103	5		50
2-Chlorophenol	84		80		25-102	5		50
2,4-Dichlorophenol	85		81		30-130	5		50
2,4-Dimethylphenol	87		83		30-130	5		50
2-Nitrophenol	83		79		30-130	5		50
4-Nitrophenol	87		82		11-114	6		50
2,4-Dinitrophenol	84		78		4-130	7		50
4,6-Dinitro-o-cresol	88		85		10-130	3		50
Pentachlorophenol	80		77		17-109	4		50
Phenol	85		80		26-90	6		50
2-Methylphenol	85		80		30-130.	6		50
3-Methylphenol/4-Methylphenol	93		88		30-130	6		50
2,4,5-Trichlorophenol	86		85		30-130	1		50
Benzoic Acid	82		66		10-110	22		50
Benzyl Alcohol	85		82		40-140	4		50
Carbazole	81		79		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1535231-2 WG1535231-3								
1,4-Dioxane	66		61		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		81		25-120
Phenol-d6	84		79		10-120
Nitrobenzene-d5	82		78		23-120
2-Fluorobiphenyl	83		79		30-120
2,4,6-Tribromophenol	78		74		10-136
4-Terphenyl-d14	90		90		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1535382-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	**146**	Q	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	102		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	93		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	124		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	100		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1535382-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72				24-159

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1535382-5 WG1535382-6 QC Sample: L2100462-65 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.47	4.53	101		4.55	101		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	ND	4.47	4.45	100		4.45	99		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	ND	3.97	4.02	101		4.06	102		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.19	4.80	115		4.85	115		62-145	1		30
Perfluorohexanoic Acid (PFHxA)	ND	4.47	4.56	102		4.49	100		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.2	4.45	106		4.58	108		73-123	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.47	4.50	101		4.46	99		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.09	4.12	101		4.22	102		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	4.47	4.61	103		4.68	104		69-133	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.26	4.27	100		4.27	100		70-132	0		30
Perfluorononanoic Acid (PFNA)	ND	4.47	4.49	100		4.34	96		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.15	4.41	106		4.47	107		68-136	1		30
Perfluorodecanoic Acid (PFDA)	ND	4.47	4.49	100		4.53	101		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.3	4.82	112		4.61	107		65-137	4		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.3	4.31	100		4.10	95		69-125	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.47	4.82	108		4.74	105		63-144	2		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.47	4.67	104		4.64	103		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.31	4.20	97		4.49	103		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	4.47	4.41	99		4.50	100		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.47	4.65	104		4.67	104		61-139	0		30
Perfluorododecanoic Acid (PFDoA)	ND	4.47	4.72	105		4.54	101		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.47	5.74	128		5.47	121		66-139	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1535382-5 WG1535382-6 QC Sample: L2100462-65 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	4.47	4.63	103		4.68	104		69-133	1		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		128		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	70		66		14-167
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		71		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		104		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		103		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		99		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		94		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		99		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		85		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		102		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	99		99		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		106		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		98		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		106		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		99		74-139

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/16/21 15:21
Analyst: AD
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 16:32
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	32.2	J	ug/kg	34.6	3.79	1	B
Aroclor 1260	21.7	J	ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	53.9	J	ug/kg	34.6	3.07	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/16/21 14:11
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 08/15/21 16:32
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1535280-1						
Aroclor 1016	ND		ug/kg	32.8	2.92	A
Aroclor 1221	ND		ug/kg	32.8	3.29	A
Aroclor 1232	ND		ug/kg	32.8	6.96	A
Aroclor 1242	ND		ug/kg	32.8	4.43	A
Aroclor 1248	ND		ug/kg	32.8	4.93	A
Aroclor 1254	ND		ug/kg	32.8	3.59	A
Aroclor 1260	ND		ug/kg	32.8	6.07	A
Aroclor 1262	ND		ug/kg	32.8	4.17	A
Aroclor 1268	ND		ug/kg	32.8	3.40	A
PCBs, Total	ND		ug/kg	32.8	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535280-2 WG1535280-3									
Aroclor 1016	104		105		40-140	1		50	A
Aroclor 1260	95		94		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	A
Decachlorobiphenyl	73		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		97		30-150	B
Decachlorobiphenyl	81		84		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/17/21 13:42
Analyst: KB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.710	0.318	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.959	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.06	0.533	1	A
4,4'-DDE	5.08		ug/kg	1.70	0.394	1	B
4,4'-DDD	5.06		ug/kg	1.70	0.608	1	A
4,4'-DDT	3.83	IP	ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.710	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.994	1	A
Toxaphene	ND		ug/kg	32.0	8.95	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01 Date Collected: 08/11/21 13:35

Client ID: EP04_2 Date Received: 08/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	136		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/18/21 13:03
Analyst: AR
Percent Solids: 91%
Methylation Date: 08/18/21 12:37

Extraction Method: EPA 8151A
Extraction Date: 08/17/21 11:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	101		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/21 12:01
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1535267-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.0	5.19	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/21 12:01
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/15/21 15:21
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1535267-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/18/21 12:08
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/17/21 10:55

Methylation Date: 08/18/21 12:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1536495-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535267-2 WG1535267-3									
Delta-BHC	96		109		30-150	13		30	A
Lindane	95		106		30-150	11		30	A
Alpha-BHC	91		102		30-150	11		30	A
Beta-BHC	96		105		30-150	9		30	A
Heptachlor	98		110		30-150	12		30	A
Aldrin	97		111		30-150	13		30	A
Heptachlor epoxide	84		97		30-150	14		30	A
Endrin	96		111		30-150	14		30	A
Endrin aldehyde	69		84		30-150	20		30	A
Endrin ketone	79		92		30-150	15		30	A
Dieldrin	99		114		30-150	14		30	A
4,4'-DDE	91		106		30-150	15		30	A
4,4'-DDD	100		117		30-150	16		30	A
4,4'-DDT	102		119		30-150	15		30	A
Endosulfan I	87		99		30-150	13		30	A
Endosulfan II	92		108		30-150	16		30	A
Endosulfan sulfate	79		96		30-150	19		30	A
Methoxychlor	91		103		30-150	12		30	A
cis-Chlordane	73		83		30-150	13		30	A
trans-Chlordane	105		122		30-150	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1535267-2 WG1535267-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		100		30-150	A
Decachlorobiphenyl	107		124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		89		30-150	B
Decachlorobiphenyl	89		102		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1536495-2 WG1536495-3									
2,4-D	97		100		30-150	3		30	A
2,4,5-T	80		79		30-150	1		30	A
2,4,5-TP (Silvex)	86		84		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	85		84		30-150	A
DCAA	80		78		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7660		mg/kg	8.53	2.30	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Antimony, Total	1.06	J	mg/kg	4.26	0.324	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Arsenic, Total	30.9		mg/kg	0.853	0.177	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Barium, Total	112		mg/kg	0.853	0.148	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Beryllium, Total	0.588		mg/kg	0.426	0.028	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Cadmium, Total	0.520	J	mg/kg	0.853	0.084	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Calcium, Total	21200		mg/kg	8.53	2.98	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Chromium, Total	36.9		mg/kg	0.853	0.082	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Cobalt, Total	30.3		mg/kg	1.70	0.142	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Copper, Total	148		mg/kg	0.853	0.220	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Iron, Total	36300		mg/kg	4.26	0.770	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Lead, Total	216		mg/kg	4.26	0.228	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Magnesium, Total	4530		mg/kg	8.53	1.31	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Manganese, Total	707		mg/kg	0.853	0.136	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Mercury, Total	0.530		mg/kg	0.077	0.050	1	08/12/21 22:34	08/13/21 13:25	EPA 7471B	1,7471B	NB
Nickel, Total	16.7		mg/kg	2.13	0.206	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Potassium, Total	1340		mg/kg	213	12.3	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Selenium, Total	3.29		mg/kg	1.70	0.220	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.853	0.241	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Sodium, Total	354		mg/kg	170	2.68	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.70	0.268	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Vanadium, Total	27.9		mg/kg	0.853	0.173	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
Zinc, Total	391		mg/kg	4.26	0.250	2	08/12/21 21:48	08/13/21 20:51	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	37		mg/kg	0.88	0.88	1		08/17/21 22:14	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2143089

Project Number: 170229024 **Report Date:** 08/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1534546-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Sodium, Total	6.78	J	mg/kg	80.0	1.26	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/12/21 21:48	08/13/21 18:51	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1534554-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/12/21 22:34	08/13/21 11:56	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1534546-2 SRM Lot Number: D109-540								
Aluminum, Total	72		-		50-150	-		
Antimony, Total	133		-		19-250	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	92		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	96		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	94		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	98		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	91		-		62-138	-		
Manganese, Total	94		-		74-126	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	90		-		59-141	-		
Selenium, Total	100		-		68-132	-		
Silver, Total	101		-		68-131	-		
Sodium, Total	103		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	96		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1534546-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1534554-2 SRM Lot Number: D109-540					
Mercury, Total	78	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534546-3 QC Sample: L2143001-01 Client ID: MS Sample												
Aluminum, Total	10300	183	12500	**1200**	Q	-	-		75-125	-		20
Antimony, Total	ND	45.7	37.2	81		-	-		75-125	-		20
Arsenic, Total	3.04	11	14.5	104		-	-		75-125	-		20
Barium, Total	63.6	183	250	102		-	-		75-125	-		20
Beryllium, Total	0.544	4.57	5.25	103		-	-		75-125	-		20
Cadmium, Total	0.157J	4.84	4.69	97		-	-		75-125	-		20
Calcium, Total	5690	914	7560	**204**	Q	-	-		75-125	-		20
Chromium, Total	21.9	18.3	42.1	110		-	-		75-125	-		20
Cobalt, Total	7.53	45.7	50.0	93		-	-		75-125	-		20
Copper, Total	18.3	22.8	44.1	113		-	-		75-125	-		20
Iron, Total	18800	91.4	20500	**1860**	Q	-	-		75-125	-		20
Lead, Total	22.4	48.4	69.8	98		-	-		75-125	-		20
Magnesium, Total	3770	914	5190	**155**	Q	-	-		75-125	-		20
Manganese, Total	401	45.7	466	**142**	Q	-	-		75-125	-		20
Nickel, Total	15.6	45.7	57.2	91		-	-		75-125	-		20
Potassium, Total	1220	914	2480	**138**	Q	-	-		75-125	-		20
Selenium, Total	ND	11	10.5	96		-	-		75-125	-		20
Silver, Total	ND	27.4	27.8	101		-	-		75-125	-		20
Sodium, Total	227	914	1240	111		-	-		75-125	-		20
Thallium, Total	ND	11	9.39	86		-	-		75-125	-		20
Vanadium, Total	23.9	45.7	70.6	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534546-3 QC Sample: L2143001-01 Client ID: MS Sample									
Zinc, Total	68.0	45.7	119	112	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534554-3 QC Sample: L2143001-01 Client ID: MS Sample									
Mercury, Total	0.051J	0.153	0.176	115	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534546-4 QC Sample: L2143001-01 Client ID: DUP Sample						
Aluminum, Total	10300	9360	mg/kg	10		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.04	2.84	mg/kg	7		20
Barium, Total	63.6	71.8	mg/kg	12		20
Beryllium, Total	0.544	0.615	mg/kg	12		20
Cadmium, Total	0.157J	0.138J	mg/kg	NC		20
Calcium, Total	5690	11300	mg/kg	**66**	Q	20
Chromium, Total	21.9	20.0	mg/kg	9		20
Cobalt, Total	7.53	7.77	mg/kg	3		20
Copper, Total	18.3	22.6	mg/kg	**21**	Q	20
Iron, Total	18800	18000	mg/kg	4		20
Lead, Total	22.4	16.5	mg/kg	**30**	Q	20
Magnesium, Total	3770	4260	mg/kg	12		20
Manganese, Total	401	442	mg/kg	10		20
Nickel, Total	15.6	17.7	mg/kg	13		20
Potassium, Total	1220	1340	mg/kg	9		20
Selenium, Total	ND	0.633J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	227	206	mg/kg	10		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534546-4 QC Sample: L2143001-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	23.9	23.7	mg/kg	1	20
Zinc, Total	68.0	73.0	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534554-4 QC Sample: L2143001-01 Client ID: DUP Sample					
Mercury, Total	0.051J	0.056J	mg/kg	NC	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1534546-6 QC Sample: L2143001-01 Client ID: DUP Sample						
Aluminum, Total	10300	10700	mg/kg	4		20
Barium, Total	63.6	65.9	mg/kg	4		20
Calcium, Total	5690	5980	mg/kg	5		20
Iron, Total	18800	19800	mg/kg	5		20
Magnesium, Total	3770	4120	mg/kg	9		20
Manganese, Total	401	423	mg/kg	5		20
Vanadium, Total	23.9	25.3	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

SAMPLE RESULTS

Lab ID: L2143089-01
Client ID: EP04_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/11/21 13:35
Date Received: 08/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	08/12/21 12:48	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.882	0.176	1	08/17/21 15:03	08/17/21 22:14	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1535715-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/17/21 15:03	08/17/21 22:14	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143089

Report Date: 08/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1535715-2								
Chromium, Hexavalent	96		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1535715-4 QC Sample: L2143089-01 Client ID: EP04_2												
Chromium, Hexavalent	ND	870	419	**48**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1534377-1 QC Sample: L2143055-01 Client ID: DUP Sample						
Solids, Total	91.4	91.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1535715-6 QC Sample: L2143089-01 Client ID: EP04_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143089
Report Date: 08/23/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143089-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2143089-01B	Vial water preserved	A	NA		3.4	Y	Absent	12-AUG-21 12:01	NYTCL-8260HLW(14)
L2143089-01C	Vial water preserved	A	NA		3.4	Y	Absent	12-AUG-21 12:01	NYTCL-8260HLW(14)
L2143089-01D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2143089-01D1	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2143089-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2143089-01F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2143089-01G	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2143089-01H	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2143089-02A	Plastic 250ml unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143089
Report Date: 08/23/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143089
Project Number:	170229024	**Report Date:**	08/23/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143089
Project Number:	170229024	**Report Date:**	08/23/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

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Project Number:	170229024	**Report Date:**	08/23/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143089
Project Number:	170229024	**Report Date:**	08/23/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/12/21

ALPHA Job #: L2143089

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides / Herbicides	TAL Metals / Total Hex Cr	PFAS	1,4-Dioxane
43089-01	EP04_2	8/11/2021	1335	Soil	YMD	x	x	x	x	x	x	x
-02	PFB03_081121	8/11/2021	1355	AQ	YMD						x	

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Langan	8/11/2021 1520	WASHINGTON AAL	8/11/21 15:20
WASHINGTON	8/11/21 19:10		8/11/21 20:00
	8/12/2021		8/12/21 00:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2144125
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/30/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2144125-01	EP25_2	SOIL	BROOKLYN, NY	08/17/21 09:38	08/17/21
L2144125-02	EP26_2	SOIL	BROOKLYN, NY	08/17/21 09:45	08/17/21
L2144125-03	EP33_2	SOIL	BROOKLYN, NY	08/17/21 09:15	08/17/21
L2144125-04	PFB04_081721	WATER	BROOKLYN, NY	08/17/21 14:30	08/17/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144125
Project Number:	170229024	**Report Date:**	08/30/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125
Project Number: 170229024 **Report Date:** 08/30/21

Case Narrative (continued)

Report Submission

August 30, 2021: This final report includes the results of all requested analyses.

August 26, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2144125-04: The sample identified as "PFBO4_081721" on the chain of custody was identified as "FIELD BLANK" on the container label. At the client's request, the sample is reported as "PFB04_081721".

Total Metals

L2144125-01, -02 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1538034-4 Laboratory Duplicate RPD for mercury (21%), performed on L2144125-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Hexavalent Chromium

The WG1537545-5 Soluble MS recovery for chromium, hexavalent (52%), performed on L2144125-03, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 91%.

Solids, Total

A Laboratory Duplicate was prepared with the sample batch, however, the native sample was not available for reporting; therefore, the results could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/30/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/21 20:53
Analyst: AJK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	8.5	J	ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/21 21:20
Analyst: AJK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.19	1
Benzene	ND		ug/kg	0.59	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	8.8	J	ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/21 21:47
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.39	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.79	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.4	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	7.0	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.8	0.94	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/21 19:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537182-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	0.54	J	ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/21 19:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537182-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/21 19:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537182-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537182-3 WG1537182-4								
Methylene chloride	89		89		70-130	0		30
1,1-Dichloroethane	93		93		70-130	0		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	101		102		70-130	1		30
1,2-Dichloropropane	93		94		70-130	1		30
Dibromochloromethane	97		100		70-130	3		30
1,1,2-Trichloroethane	94		98		70-130	4		30
Tetrachloroethene	100		100		70-130	0		30
Chlorobenzene	95		95		70-130	0		30
Trichlorofluoromethane	112		110		70-139	2		30
1,2-Dichloroethane	95		97		70-130	2		30
1,1,1-Trichloroethane	99		98		70-130	1		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	94		96		70-130	2		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	97		99		70-130	2		30
1,1,2,2-Tetrachloroethane	92		93		70-130	1		30
Benzene	95		94		70-130	1		30
Toluene	91		91		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	89		88		52-130	1		30
Bromomethane	101		98		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537182-3 WG1537182-4								
Vinyl chloride	104		101		67-130	3		30
Chloroethane	104		102		50-151	2		30
1,1-Dichloroethene	98		98		65-135	0		30
trans-1,2-Dichloroethene	97		96		70-130	1		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	97		95		70-130	2		30
Methyl tert butyl ether	94		96		66-130	2		30
p/m-Xylene	96		96		70-130	0		30
o-Xylene	95		95		70-130	0		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	101		102		70-130	1		30
Styrene	95		96		70-130	1		30
Dichlorodifluoromethane	89		87		30-146	2		30
Acetone	113		118		54-140	4		30
Carbon disulfide	84		83		59-130	1		30
2-Butanone	81		90		70-130	11		30
Vinyl acetate	89		87		70-130	2		30
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	91		94		68-130	3		30
2-Hexanone	90		97		70-130	7		30
Bromochloromethane	99		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537182-3 WG1537182-4								
2,2-Dichloropropane	97		95		70-130	2		30
1,2-Dibromoethane	90		93		70-130	3		30
1,3-Dichloropropane	93		96		69-130	3		30
1,1,1,2-Tetrachloroethane	95		96		70-130	1		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	99		98		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	94		93		70-130	1		30
o-Chlorotoluene	90		90		70-130	0		30
p-Chlorotoluene	90		90		70-130	0		30
1,2-Dibromo-3-chloropropane	86		90		68-130	5		30
Hexachlorobutadiene	105		104		67-130	1		30
Isopropylbenzene	94		92		70-130	2		30
p-Isopropyltoluene	99		98		70-130	1		30
Naphthalene	101		102		70-130	1		30
Acrylonitrile	89		91		70-130	2		30
n-Propylbenzene	94		93		70-130	1		30
1,2,3-Trichlorobenzene	109		109		70-130	0		30
1,2,4-Trichlorobenzene	110		110		70-130	0		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	103		106		65-136	3		30
p-Diethylbenzene	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537182-3 WG1537182-4								
p-Ethyltoluene	97		95		70-130	2		30
1,2,4,5-Tetramethylbenzene	99		98		70-130	1		30
Ethyl ether	96		99		67-130	3		30
trans-1,4-Dichloro-2-butene	94		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		97		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/21/21 17:31
Analyst: IM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	2100		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	240		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	1200		ug/kg	120	23.	1
Benzo(a)pyrene	1200		ug/kg	160	50.	1
Benzo(b)fluoranthene	1500		ug/kg	120	35.	1
Benzo(k)fluoranthene	470		ug/kg	120	33.	1
Chrysene	1200		ug/kg	120	21.	1
Acenaphthylene	57	J	ug/kg	160	32.	1
Anthracene	340		ug/kg	120	40.	1
Benzo(ghi)perylene	840		ug/kg	160	24.	1
Fluorene	120	J	ug/kg	200	20.	1
Phenanthrene	1200		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	190		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	910		ug/kg	160	29.	1
Pyrene	2300		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	140	J	ug/kg	200	19.	1
2-Methylnaphthalene	140	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	120	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	33		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/22/21 22:21
Analyst: SG
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.558	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.558	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.279	0.044	1
Perfluorohexanoic Acid (PFHxA)	0.065	J	ng/g	0.558	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.279	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.279	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.279	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.558	0.200	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.558	0.152	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.279	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.279	0.145	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.279	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.558	0.320	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.558	0.225	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.558	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.558	0.171	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.558	0.109	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.558	0.094	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.558	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.558	0.228	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.558	0.060	1
PFOA/PFOS, Total	ND		ng/g	0.279	0.047	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	50		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/21/21 17:55
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1800		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	14000	E	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	1800		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	6400		ug/kg	100	20.	1
Benzo(a)pyrene	5400		ug/kg	140	43.	1
Benzo(b)fluoranthene	7400	E	ug/kg	100	30.	1
Benzo(k)fluoranthene	1600		ug/kg	100	28.	1
Chrysene	5400		ug/kg	100	18.	1
Acenaphthylene	180		ug/kg	140	27.	1
Anthracene	4200		ug/kg	100	34.	1
Benzo(ghi)perylene	3200		ug/kg	140	21.	1
Fluorene	2500		ug/kg	180	17.	1
Phenanthrene	12000	E	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	780		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	3900		ug/kg	140	25.	1
Pyrene	11000	E	ug/kg	100	18.	1
Biphenyl	330	J	ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	2000		ug/kg	180	17.	1
2-Methylnaphthalene	970		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	33	J	ug/kg	250	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	1400		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	56		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/22/21 22:38
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.145	J	ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.508	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.508	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.254	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 D
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 14:39
Analyst: IM
Percent Solids: 94%

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	16000		ug/kg	530	100	5
Benzo(b)fluoranthene	7900		ug/kg	530	150	5
Phenanthrene	14000		ug/kg	530	110	5
Pyrene	13000		ug/kg	530	88.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/21/21 18:19
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	480		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	5700		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	300		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	2500		ug/kg	110	20.	1
Benzo(a)pyrene	2400		ug/kg	140	44.	1
Benzo(b)fluoranthene	3200		ug/kg	110	30.	1
Benzo(k)fluoranthene	700		ug/kg	110	28.	1
Chrysene	2200		ug/kg	110	18.	1
Acenaphthylene	240		ug/kg	140	28.	1
Anthracene	1000		ug/kg	110	35.	1
Benzo(ghi)perylene	1600		ug/kg	140	21.	1
Fluorene	500		ug/kg	180	17.	1
Phenanthrene	4000		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	330		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	140	25.	1
Pyrene	5000		ug/kg	110	18.	1
Biphenyl	85	J	ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	400		ug/kg	180	17.	1
2-Methylnaphthalene	190	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	350		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	58		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/22/21 22:54
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.182	J	ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.061	1
Perfluorooctanoic Acid (PFOA)	0.118	J	ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.508	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.508	0.055	1
PFOA/PFOS, Total	0.118	J	ng/g	0.254	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-04
Client ID: PFB04_081721
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 14:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 20:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.618	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.521	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.212	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-04 Date Collected: 08/17/21 14:30

Client ID: PFB04_081721 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/21 09:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537460-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/21 09:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537460-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/21 09:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/20/21 13:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1537460-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	77		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/22/21 20:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/22/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1537773-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/22/21 20:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/22/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1537773-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 20:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1538782-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 20:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1538782-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537460-2 WG1537460-3								
Acenaphthene	63		59		31-137	7		50
1,2,4-Trichlorobenzene	67		63		38-107	6		50
Hexachlorobenzene	69		64		40-140	8		50
Bis(2-chloroethyl)ether	65		61		40-140	6		50
2-Chloronaphthalene	66		62		40-140	6		50
1,2-Dichlorobenzene	63		60		40-140	5		50
1,3-Dichlorobenzene	62		57		40-140	8		50
1,4-Dichlorobenzene	61		58		28-104	5		50
3,3'-Dichlorobenzidine	56		53		40-140	6		50
2,4-Dinitrotoluene	66		62		40-132	6		50
2,6-Dinitrotoluene	68		65		40-140	5		50
Fluoranthene	65		61		40-140	6		50
4-Chlorophenyl phenyl ether	66		61		40-140	8		50
4-Bromophenyl phenyl ether	68		64		40-140	6		50
Bis(2-chloroisopropyl)ether	67		62		40-140	8		50
Bis(2-chloroethoxy)methane	67		62		40-117	8		50
Hexachlorobutadiene	65		62		40-140	5		50
Hexachlorocyclopentadiene	59		56		40-140	5		50
Hexachloroethane	66		61		40-140	8		50
Isophorone	70		65		40-140	7		50
Naphthalene	63		59		40-140	7		50
Nitrobenzene	67		64		40-140	5		50
NDPA/DPA	65		60		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537460-2 WG1537460-3								
n-Nitrosodi-n-propylamine	70		66		32-121	6		50
Bis(2-ethylhexyl)phthalate	64		58		40-140	10		50
Butyl benzyl phthalate	65		62		40-140	5		50
Di-n-butylphthalate	66		61		40-140	8		50
Di-n-octylphthalate	63		59		40-140	7		50
Diethyl phthalate	66		61		40-140	8		50
Dimethyl phthalate	68		64		40-140	6		50
Benzo(a)anthracene	64		59		40-140	8		50
Benzo(a)pyrene	65		61		40-140	6		50
Benzo(b)fluoranthene	65		59		40-140	10		50
Benzo(k)fluoranthene	64		62		40-140	3		50
Chrysene	62		58		40-140	7		50
Acenaphthylene	68		64		40-140	6		50
Anthracene	64		59		40-140	8		50
Benzo(ghi)perylene	66		60		40-140	10		50
Fluorene	64		61		40-140	5		50
Phenanthrene	62		57		40-140	8		50
Dibenzo(a,h)anthracene	66		62		40-140	6		50
Indeno(1,2,3-cd)pyrene	67		63		40-140	6		50
Pyrene	64		60		35-142	6		50
Biphenyl	67		63		37-127	6		50
4-Chloroaniline	66		64		40-140	3		50
2-Nitroaniline	68		65		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537460-2 WG1537460-3								
3-Nitroaniline	54		51		26-129	6		50
4-Nitroaniline	67		61		41-125	9		50
Dibenzofuran	64		58		40-140	10		50
2-Methylnaphthalene	89		85		40-140	5		50
1,2,4,5-Tetrachlorobenzene	68		64		40-117	6		50
Acetophenone	70		65		14-144	7		50
2,4,6-Trichlorophenol	69		66		30-130	4		50
p-Chloro-m-cresol	71		66		26-103	7		50
2-Chlorophenol	71		65		25-102	9		50
2,4-Dichlorophenol	74		68		30-130	8		50
2,4-Dimethylphenol	74		68		30-130	8		50
2-Nitrophenol	70		64		30-130	9		50
4-Nitrophenol	64		72		11-114	12		50
2,4-Dinitrophenol	55		52		4-130	6		50
4,6-Dinitro-o-cresol	65		60		10-130	8		50
Pentachlorophenol	68		62		17-109	9		50
Phenol	71		65		26-90	9		50
2-Methylphenol	71		66		30-130.	7		50
3-Methylphenol/4-Methylphenol	71		66		30-130	7		50
2,4,5-Trichlorophenol	70		66		30-130	6		50
Benzoic Acid	67		62		10-110	8		50
Benzyl Alcohol	74		67		40-140	10		50
Carbazole	65		59		54-128	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1537460-2 WG1537460-3								
1,4-Dioxane	43		40		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		61		25-120
Phenol-d6	75		69		10-120
Nitrobenzene-d5	69		64		23-120
2-Fluorobiphenyl	63		59		30-120
2,4,6-Tribromophenol	73		67		10-136
4-Terphenyl-d14	65		61		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1537773-2								
Perfluorobutanoic Acid (PFBA)	117		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	116		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	117		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	117		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	123		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	117		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	130		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	116		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	123		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	122		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	132		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	117		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	122		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	125		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	128		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	122		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	119		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	139		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	120		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1537773-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1538782-2								
Perfluorobutanoic Acid (PFBA)	107		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	106		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	105		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	110		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	115		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	104		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	109		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	109		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	108		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	123		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	109		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1538782-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1537773-3 WG1537773-4 QC Sample: L2144129-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.046J	5.99	6.96	115		6.94	116		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	ND	5.99	6.80	113		6.77	114		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.32	6.15	116		6.14	117		72-128	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.61	7.69	137		7.44	134		62-145	3		30
Perfluorohexanoic Acid (PFHxA)	0.197J	5.99	7.05	114		7.02	115		70-132	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.63	5.89	105		5.78	104		73-123	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.99	6.87	115		6.88	116		71-131	0		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.48	6.45	118		6.42	119		67-130	0		30
Perfluorooctanoic Acid (PFOA)	ND	5.99	7.08	118		6.88	116		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.71	6.94	122		6.81	121		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.71	7.22	127		6.68	118		70-132	8		30
Perfluorononanoic Acid (PFNA)	ND	5.99	7.05	118		6.94	117		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.56	6.83	123		6.53	119		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	5.99	7.17	120		7.12	120		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.75	7.52	131		7.75	136		65-137	3		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.77	6.94	120		6.61	116		69-125	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.99	6.87	115		6.51	110		63-144	5		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.99	7.10	118		6.95	117		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.78	7.38	128		7.04	123		59-134	5		30
Perfluorooctanesulfonamide (FOSA)	ND	5.99	7.22	120		7.39	125		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.99	7.15	119		6.50	110		61-139	10		30
Perfluorododecanoic Acid (PFDoA)	ND	5.99	7.33	122		7.67	130		69-135	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1537773-3 WG1537773-4 QC Sample: L2144129-04 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.99	7.78	130		8.18	138		66-139	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.99	7.06	118		7.24	122		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		94		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	74		70		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		108		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		91		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		93		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		109		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		98		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		95		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		106		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	112		105		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		94		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		95		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**134**	Q	**124**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		104		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		99		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		97		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		105		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1537773-5 WG1537773-6 QC Sample: L2144393-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.058J	5.1	5.98	116		5.76	116		71-135	4		30
Perfluoropentanoic Acid (PFPeA)	ND	5.1	5.87	115		5.66	115		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.53	5.28	117		5.10	116		72-128	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.77	6.38	134		5.71	124		62-145	11		30
Perfluorohexanoic Acid (PFHxA)	0.090J	5.1	6.24	121		5.89	118		70-132	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.8	5.20	108		4.83	104		73-123	7		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.1	5.88	115		5.69	115		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.66	5.68	122		5.26	117		67-130	8		30
Perfluorooctanoic Acid (PFOA)	ND	5.1	6.05	119		5.76	117		69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.86	5.76	119		5.94	126		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.86	5.74	118		5.39	115		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	5.1	6.03	118		5.89	119		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.73	5.74	121		5.46	119		68-136	5		30
Perfluorodecanoic Acid (PFDA)	ND	5.1	6.24	122		5.98	121		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.9	7.14	**146**	Q	6.77	**143**	Q	65-137	5		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.91	5.72	117		5.55	117		69-125	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.1	5.84	114		5.78	117		63-144	1		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.1	6.06	119		5.89	119		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.92	6.24	127		5.89	124		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	ND	5.1	6.08	119		5.76F	117		67-137	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.1	5.88	115		5.32	108		61-139	10		30
Perfluorododecanoic Acid (PFDoA)	ND	5.1	6.69	131		5.82	118		69-135	14		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1537773-5 WG1537773-6 QC Sample: L2144393-03 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.1	6.91	135		6.56	133		66-139	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.1	6.22	122		5.83	118		69-133	6		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		97		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	76		81		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		110		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		90		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		86		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		109		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		100		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		97		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		99		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		111		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110		111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		92		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		96		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**132**	Q	**129**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		109		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		101		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		98		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		109		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1538782-3 WG1538782-4 QC Sample: L2145219-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	21.7	37.8	60.6	103		58.9	101		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	35.4	37.8	74.1	102		72.6	101		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	7.31	33.6	41.8	103		41.0	103		65-157	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.4	40.9	116		35.8	104		37-219	13		30
Perfluorohexanoic Acid (PFHxA)	29.7	37.8	68.5	103		68.4	105		69-168	0		30
Perfluoropentanesulfonic Acid (PFPeS)	4.56	35.6	44.6	113		41.4	106		52-156	7		30
Perfluoroheptanoic Acid (PFHpA)	39.3	37.8	79.0	105		77.0	102		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	29.2	34.6	67.5	111		63.3	101		69-177	6		30
Perfluorooctanoic Acid (PFOA)	88.9	37.8	128	103		126	101		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	7.88	36	48.0	111		45.3	107		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	1.85	36	37.1	98		34.5	93		61-179	7		30
Perfluorononanoic Acid (PFNA)	5.42	37.8	44.3	103		42.6	101		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	61.9	35.1	98.1	103		93.2	92		52-151	5		30
Perfluorodecanoic Acid (PFDA)	3.05	37.8	41.6	102		40.3	101		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.3	41.5	114		41.0	116		56-173	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.4	36.9	101		34.2	97		48-150	8		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.8	41.2	109		37.2	101		60-166	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.8	39.3	104		38.4	104		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.4	39.3	108		36.9	104		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	ND	37.8	37.4	99		37.0	100		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.8	38.8	103		39.3	107		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	ND	37.8	37.7	100		37.8	103		67-153	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1538782-3 WG1538782-4 QC Sample: L2145219-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.8	48.4	128		44.8	122		48-158	8		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.8	40.1	106		40.5	110		59-182	1		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140		124		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**186**	Q	**168**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**159**	Q	**154**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		62		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		61		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		71		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		68		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	57		**52**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	67		64		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	73		**69**	Q	71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		68		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		58		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		73		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**54**	Q	**52**	Q	62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		38		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	78		76		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		68		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		71		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		70		70-131

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/21 20:27
Analyst: JAW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 01:38
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.60	1	A
Aroclor 1221	ND		ug/kg	40.6	4.06	1	A
Aroclor 1232	ND		ug/kg	40.6	8.60	1	A
Aroclor 1242	ND		ug/kg	40.6	5.47	1	A
Aroclor 1248	ND		ug/kg	40.6	6.08	1	A
Aroclor 1254	43.8		ug/kg	40.6	4.44	1	A
Aroclor 1260	28.3	J	ug/kg	40.6	7.49	1	A
Aroclor 1262	ND		ug/kg	40.6	5.15	1	A
Aroclor 1268	ND		ug/kg	40.6	4.20	1	A
PCBs, Total	72.1	J	ug/kg	40.6	3.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/21 20:36
Analyst: JAW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 01:38
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.97	1	A
Aroclor 1221	ND		ug/kg	33.4	3.35	1	A
Aroclor 1232	ND		ug/kg	33.4	7.09	1	A
Aroclor 1242	ND		ug/kg	33.4	4.51	1	A
Aroclor 1248	ND		ug/kg	33.4	5.02	1	A
Aroclor 1254	10.4	J	ug/kg	33.4	3.66	1	B
Aroclor 1260	ND		ug/kg	33.4	6.18	1	B
Aroclor 1262	ND		ug/kg	33.4	4.25	1	A
Aroclor 1268	ND		ug/kg	33.4	3.46	1	A
PCBs, Total	10.4	J	ug/kg	33.4	2.97	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/21 20:45
Analyst: JAW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 01:38
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.18	1	A
Aroclor 1221	ND		ug/kg	35.9	3.59	1	A
Aroclor 1232	ND		ug/kg	35.9	7.60	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.38	1	A
Aroclor 1254	42.0		ug/kg	35.9	3.92	1	B
Aroclor 1260	40.2		ug/kg	35.9	6.63	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	82.2		ug/kg	35.9	3.18	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/19/21 11:57
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/19/21 02:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1536710-1						
Aroclor 1016	ND		ug/kg	32.6	2.90	A
Aroclor 1221	ND		ug/kg	32.6	3.27	A
Aroclor 1232	ND		ug/kg	32.6	6.92	A
Aroclor 1242	ND		ug/kg	32.6	4.40	A
Aroclor 1248	ND		ug/kg	32.6	4.90	A
Aroclor 1254	ND		ug/kg	32.6	3.57	A
Aroclor 1260	ND		ug/kg	32.6	6.03	A
Aroclor 1262	ND		ug/kg	32.6	4.14	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
PCBs, Total	ND		ug/kg	32.6	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1536710-2 WG1536710-3									
Aroclor 1016	94		91		40-140	3		50	A
Aroclor 1260	98		97		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	A
Decachlorobiphenyl	88		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	B
Decachlorobiphenyl	84		86		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/21/21 13:15
Analyst: AR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 09:34
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.381	1	A
Lindane	ND		ug/kg	0.810	0.362	1	A
Alpha-BHC	ND		ug/kg	0.810	0.230	1	A
Beta-BHC	ND		ug/kg	1.94	0.738	1	A
Heptachlor	ND		ug/kg	0.973	0.436	1	A
Aldrin	ND		ug/kg	1.94	0.685	1	A
Heptachlor epoxide	ND		ug/kg	3.65	1.09	1	A
Endrin	ND		ug/kg	0.810	0.332	1	A
Endrin aldehyde	ND		ug/kg	2.43	0.851	1	A
Endrin ketone	ND		ug/kg	1.94	0.501	1	A
Dieldrin	ND		ug/kg	1.22	0.608	1	A
4,4'-DDE	ND		ug/kg	1.94	0.450	1	A
4,4'-DDD	2.09	IP	ug/kg	1.94	0.694	1	B
4,4'-DDT	ND		ug/kg	3.65	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.460	1	A
Endosulfan II	ND		ug/kg	1.94	0.650	1	A
Endosulfan sulfate	ND		ug/kg	0.810	0.386	1	A
Methoxychlor	ND		ug/kg	3.65	1.13	1	A
Toxaphene	ND		ug/kg	36.5	10.2	1	A
cis-Chlordane	ND		ug/kg	2.43	0.678	1	A
trans-Chlordane	ND		ug/kg	2.43	0.642	1	A
Chlordane	ND		ug/kg	16.2	6.44	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01 Date Collected: 08/17/21 09:38

Client ID: EP25_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**164**	Q	30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/21/21 18:21
Analyst: AR
Percent Solids: 80%
Methylation Date: 08/21/21 04:03

Extraction Method: EPA 8151A
Extraction Date: 08/19/21 14:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	12.8	1	A
2,4,5-T	ND		ug/kg	203	6.30	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	84		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/21/21 13:27
Analyst: AR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 09:34
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.635	1	A
Heptachlor	ND		ug/kg	0.837	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.942	1	A
Endrin	ND		ug/kg	0.698	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.05	0.523	1	A
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	1.92	IP	ug/kg	1.67	0.597	1	B
4,4'-DDT	ND		ug/kg	3.14	1.35	1	A
Endosulfan I	ND		ug/kg	1.67	0.396	1	A
Endosulfan II	ND		ug/kg	1.67	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.698	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.977	1	A
Toxaphene	ND		ug/kg	31.4	8.79	1	A
cis-Chlordane	ND		ug/kg	2.09	0.583	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	14.0	5.55	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02 Date Collected: 08/17/21 09:45

Client ID: EP26_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	**271**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/21/21 17:44
Analyst: AR
Percent Solids: 94%
Methylation Date: 08/21/21 04:03

Extraction Method: EPA 8151A
Extraction Date: 08/19/21 14:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.50	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/21/21 13:40
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/20/21 09:34
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.835	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.731	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	1.04	JIP	ug/kg	1.67	0.596	1	B
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.974	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.53	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03 Date Collected: 08/17/21 09:15

Client ID: EP33_2 Date Received: 08/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	127		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	**172**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/21/21 18:03
Analyst: AR
Percent Solids: 92%
Methylation Date: 08/21/21 04:03

Extraction Method: EPA 8151A
Extraction Date: 08/19/21 14:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/21/21 12:37
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/20/21 09:34
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1537347-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/21/21 12:37
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/20/21 09:34
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1537347-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/21/21 13:25
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/19/21 14:27

Methylation Date: 08/23/21 11:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1538036-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1537347-2 WG1537347-3									
Delta-BHC	105		94		30-150	11		30	A
Lindane	108		97		30-150	11		30	A
Alpha-BHC	111		101		30-150	9		30	A
Beta-BHC	92		82		30-150	11		30	A
Heptachlor	101		90		30-150	12		30	A
Aldrin	103		95		30-150	8		30	A
Heptachlor epoxide	93		89		30-150	4		30	A
Endrin	100		91		30-150	9		30	A
Endrin aldehyde	53		50		30-150	6		30	A
Endrin ketone	75		70		30-150	7		30	A
Dieldrin	104		94		30-150	10		30	A
4,4'-DDE	97		86		30-150	12		30	A
4,4'-DDD	98		90		30-150	9		30	A
4,4'-DDT	90		83		30-150	8		30	A
Endosulfan I	90		83		30-150	8		30	A
Endosulfan II	92		84		30-150	9		30	A
Endosulfan sulfate	54		50		30-150	8		30	A
Methoxychlor	71		67		30-150	6		30	A
cis-Chlordane	79		74		30-150	7		30	A
trans-Chlordane	98		96		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1537347-2 WG1537347-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		82		30-150	A
Decachlorobiphenyl	92		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		80		30-150	B
Decachlorobiphenyl	101		104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1538036-2 WG1538036-3									
2,4-D	84		87		30-150	4		30	A
2,4,5-T	83		86		30-150	4		30	A
2,4,5-TP (Silvex)	83		86		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	88		90		30-150	A
DCAA	83		88		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY
Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5050		mg/kg	9.50	2.56	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Antimony, Total	1.97	J	mg/kg	4.75	0.361	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Arsenic, Total	33.4		mg/kg	0.950	0.198	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Barium, Total	119		mg/kg	0.950	0.165	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Beryllium, Total	0.494		mg/kg	0.475	0.031	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Cadmium, Total	0.703	J	mg/kg	0.950	0.093	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Calcium, Total	26900		mg/kg	9.50	3.33	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Chromium, Total	17.4		mg/kg	0.950	0.091	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Cobalt, Total	32.4		mg/kg	1.90	0.158	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Copper, Total	123		mg/kg	0.950	0.245	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Iron, Total	20700		mg/kg	4.75	0.858	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Lead, Total	252		mg/kg	4.75	0.255	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Magnesium, Total	10700		mg/kg	9.50	1.46	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Manganese, Total	172		mg/kg	0.950	0.151	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Mercury, Total	0.153		mg/kg	0.087	0.057	1	08/23/21 12:03	08/23/21 14:20	EPA 7471B	1,7471B	NB
Nickel, Total	19.5		mg/kg	2.38	0.230	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Potassium, Total	690		mg/kg	238	13.7	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Selenium, Total	2.38		mg/kg	1.90	0.245	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.950	0.269	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Sodium, Total	257		mg/kg	190	2.99	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.90	0.299	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Vanadium, Total	22.1		mg/kg	0.950	0.193	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
Zinc, Total	629		mg/kg	4.75	0.278	2	08/19/21 07:40	08/23/21 20:46	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	1.0	1.0	1		08/23/21 20:46	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY
Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5480		mg/kg	8.16	2.20	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Antimony, Total	0.824	J	mg/kg	4.08	0.310	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Arsenic, Total	13.2		mg/kg	0.816	0.170	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Barium, Total	113		mg/kg	0.816	0.142	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Beryllium, Total	0.351	J	mg/kg	0.408	0.027	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Cadmium, Total	0.392	J	mg/kg	0.816	0.080	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Calcium, Total	11700		mg/kg	8.16	2.86	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Chromium, Total	16.8		mg/kg	0.816	0.078	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Cobalt, Total	7.94		mg/kg	1.63	0.135	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Copper, Total	92.1		mg/kg	0.816	0.210	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Iron, Total	17000		mg/kg	4.08	0.737	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Lead, Total	250		mg/kg	4.08	0.219	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Magnesium, Total	6000		mg/kg	8.16	1.26	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Manganese, Total	201		mg/kg	0.816	0.130	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Mercury, Total	0.613		mg/kg	0.074	0.048	1	08/23/21 12:03	08/23/21 14:40	EPA 7471B	1,7471B	NB
Nickel, Total	13.7		mg/kg	2.04	0.197	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Potassium, Total	766		mg/kg	204	11.7	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Selenium, Total	0.677	J	mg/kg	1.63	0.210	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.816	0.231	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Sodium, Total	452		mg/kg	163	2.57	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Vanadium, Total	22.1		mg/kg	0.816	0.166	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
Zinc, Total	209		mg/kg	4.08	0.239	2	08/19/21 07:40	08/23/21 20:50	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.86	0.86	1		08/23/21 20:50	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY
Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5240		mg/kg	8.16	2.20	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Antimony, Total	0.465	J	mg/kg	4.08	0.310	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Arsenic, Total	12.4		mg/kg	0.816	0.170	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Barium, Total	98.7		mg/kg	0.816	0.142	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Beryllium, Total	0.343	J	mg/kg	0.408	0.027	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Cadmium, Total	0.449	J	mg/kg	0.816	0.080	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Calcium, Total	20500		mg/kg	8.16	2.86	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Chromium, Total	23.7		mg/kg	0.816	0.078	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Cobalt, Total	6.63		mg/kg	1.63	0.135	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Copper, Total	66.0		mg/kg	0.816	0.210	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Iron, Total	15800		mg/kg	4.08	0.737	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Lead, Total	212		mg/kg	4.08	0.219	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Magnesium, Total	10400		mg/kg	8.16	1.26	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Manganese, Total	146		mg/kg	0.816	0.130	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Mercury, Total	0.479		mg/kg	0.080	0.052	1	08/23/21 12:03	08/23/21 14:43	EPA 7471B	1,7471B	NB
Nickel, Total	14.5		mg/kg	2.04	0.197	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Potassium, Total	639		mg/kg	204	11.8	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Selenium, Total	0.751	J	mg/kg	1.63	0.210	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.816	0.231	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Sodium, Total	156	J	mg/kg	163	2.57	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Vanadium, Total	18.0		mg/kg	0.816	0.166	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
Zinc, Total	228		mg/kg	4.08	0.239	2	08/19/21 07:40	08/23/21 20:55	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	24		mg/kg	0.87	0.87	1		08/23/21 20:55	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144125

Project Number: 170229024 **Report Date:** 08/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1536611-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Iron, Total	ND		mg/kg	2.00	0.361	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Potassium, Total	18.1	J	mg/kg	100	5.76	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Sodium, Total	40.4	J	mg/kg	80.0	1.26	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/19/21 07:40	08/23/21 20:37	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1538034-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/23/21 12:03	08/23/21 14:13	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1536611-2 SRM Lot Number: D109-540								
Aluminum, Total	72		-		50-150	-		
Antimony, Total	134		-		19-250	-		
Arsenic, Total	95		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	89		-		75-125	-		
Calcium, Total	89		-		73-128	-		
Chromium, Total	91		-		70-130	-		
Cobalt, Total	94		-		75-125	-		
Copper, Total	90		-		75-125	-		
Iron, Total	92		-		35-165	-		
Lead, Total	90		-		72-128	-		
Magnesium, Total	89		-		62-138	-		
Manganese, Total	86		-		74-126	-		
Nickel, Total	91		-		70-130	-		
Potassium, Total	87		-		59-141	-		
Selenium, Total	96		-		68-132	-		
Silver, Total	91		-		68-131	-		
Sodium, Total	73		-		35-165	-		
Thallium, Total	91		-		68-131	-		
Vanadium, Total	91		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1536611-2 SRM Lot Number: D109-540					
Zinc, Total	93	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1538034-2 SRM Lot Number: D109-540					
Mercury, Total	105	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1536611-3 QC Sample: L2144049-13 Client ID: MS Sample												
Aluminum, Total	7410	167	7960	**328**	Q	-	-		75-125	-		20
Antimony, Total	ND	41.9	37.0	88		-	-		75-125	-		20
Arsenic, Total	2.84	10	12.7	98		-	-		75-125	-		20
Barium, Total	43.1	167	202	95		-	-		75-125	-		20
Beryllium, Total	0.262J	4.19	4.33	103		-	-		75-125	-		20
Cadmium, Total	0.144J	4.44	4.30	97		-	-		75-125	-		20
Calcium, Total	6260	837	6110	**0**	Q	-	-		75-125	-		20
Chromium, Total	10.3	16.7	25.4	90		-	-		75-125	-		20
Cobalt, Total	5.43	41.9	44.8	94		-	-		75-125	-		20
Copper, Total	14.5	20.9	34.1	94		-	-		75-125	-		20
Iron, Total	13400	83.7	12300	**0**	Q	-	-		75-125	-		20
Lead, Total	37.9	44.4	78.8	92		-	-		75-125	-		20
Magnesium, Total	4020	837	4380	**43**	Q	-	-		75-125	-		20
Manganese, Total	279	41.9	318	93		-	-		75-125	-		20
Nickel, Total	9.46	41.9	46.4	88		-	-		75-125	-		20
Potassium, Total	711	837	1580	104		-	-		75-125	-		20
Selenium, Total	0.540J	10	10.2	102		-	-		75-125	-		20
Silver, Total	ND	25.1	24.5	98		-	-		75-125	-		20
Sodium, Total	120J	837	966	115		-	-		75-125	-		20
Thallium, Total	ND	10	8.87	88		-	-		75-125	-		20
Vanadium, Total	23.8	41.9	60.6	88		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1536611-3 QC Sample: L2144049-13 Client ID: MS Sample									
Zinc, Total	42.2	41.9	82.6	96	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1538034-3 QC Sample: L2144125-01 Client ID: EP25_2									
Mercury, Total	0.153	0.191	0.381	119	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1536611-4 QC Sample: L2144049-13 Client ID: DUP Sample						
Aluminum, Total	7410	6880	mg/kg	7		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.84	2.38	mg/kg	18		20
Barium, Total	43.1	39.5	mg/kg	9		20
Beryllium, Total	0.262J	0.239J	mg/kg	NC		20
Cadmium, Total	0.144J	0.136J	mg/kg	NC		20
Calcium, Total	6260	9700	mg/kg	**43**	Q	20
Chromium, Total	10.3	10.5	mg/kg	2		20
Cobalt, Total	5.43	4.94	mg/kg	9		20
Copper, Total	14.5	12.3	mg/kg	16		20
Iron, Total	13400	11300	mg/kg	17		20
Lead, Total	37.9	47.2	mg/kg	**22**	Q	20
Magnesium, Total	4020	4650	mg/kg	15		20
Manganese, Total	279	275	mg/kg	1		20
Nickel, Total	9.46	8.68	mg/kg	9		20
Potassium, Total	711	932	mg/kg	**27**	Q	20
Selenium, Total	0.540J	0.545J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	120J	105J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1536611-4 QC Sample: L2144049-13 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	23.8	28.3	mg/kg	17		20
Zinc, Total	42.2	42.8	mg/kg	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1538034-4 QC Sample: L2144125-01 Client ID: EP25_2						
Mercury, Total	0.153	0.188	mg/kg	**21**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1536611-6 QC Sample: L2144049-13 Client ID: DUP Sample						
Aluminum, Total	7410	8200	mg/kg	11		20
Barium, Total	43.1	48.1	mg/kg	12		20
Calcium, Total	6260	7000	mg/kg	12		20
Iron, Total	13400	14900	mg/kg	11		20
Magnesium, Total	4020	4550	mg/kg	13		20
Manganese, Total	279	314	mg/kg	13		20
Vanadium, Total	23.8	26.7	mg/kg	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-01
Client ID: EP25_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/17/21 09:38
Date Received: 08/17/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	08/18/21 12:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.00	0.201	1	08/20/21 19:42	08/23/21 15:45	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-02
Client ID: EP26_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/17/21 09:45
Date Received: 08/17/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	08/18/21 12:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.856	0.171	1	08/20/21 19:42	08/23/21 15:46	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

SAMPLE RESULTS

Lab ID: L2144125-03
Client ID: EP33_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/17/21 09:15
Date Received: 08/17/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	08/18/21 12:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.870	0.174	1	08/20/21 19:42	08/23/21 15:46	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1537545-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/20/21 19:42	08/23/21 15:29	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144125

Report Date: 08/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1537545-2								
Chromium, Hexavalent	86		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1537545-4 QC Sample: L2144125-03 Client ID: EP33_2												
Chromium, Hexavalent	ND	1280	1000	78		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1537545-6 QC Sample: L2144125-03 Client ID: EP33_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144125-01A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2144125-01B	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-01C	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-01D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-01E	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-01F	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144125-01G	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2144125-01H	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HEXCR-7196(30)
L2144125-01I	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2144125-02A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2144125-02A1	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L2144125-02B	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-02C	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-02D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-02E	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-02F	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144125-02G	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2144125-02H	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144125
Report Date: 08/30/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144125-02I	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2144125-03A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2144125-03B	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-03C	Vial water preserved	A	NA		2.1	Y	Absent	18-AUG-21 09:46	NYTCL-8260HLW(14)
L2144125-03D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-03E	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2144125-03F	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144125-03G	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2144125-03H	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HEXCR-7196(30)
L2144125-03I	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2144125-04A	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)

Container Comments

L2144125-02A WM: broken in login when putting away 8/18/21

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144125
Report Date: 08/30/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144125
Project Number:	170229024	**Report Date:**	08/30/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144125
Project Number:	170229024	**Report Date:**	08/30/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144125
Project Number:	170229024	**Report Date:**	08/30/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144125
Project Number:	170229024	**Report Date:**	08/30/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 08/18/21

ALPHA Job #: L2144125

Client Information
Client: Langan DPC
Address: 360 W 31th Street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: Wkim@langan.com

Project Information
Project Name: 45 commercial Street
Project Location: Brooklyn NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals/Tri or 6+ hex	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
44125-01	EP25_2	8/17/2021	~~0945~~ 0938	Soil	YMD	X	X	X	X	X	X	X			
-02	EP26_2	8/17/2021	0945	↓	↓	X	X	X	X	X	X	X			
-03	EP33_2	8/17/2021	0915	↓	↓	X	X	X	X	X	X	X			
-04	PF B04-081721	8/17/2021	1430	AQ	YMD						X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Yashar Motamed Diaz	8/17/2021 1554	[signature] 8/17/21	1540
[signature] 8/17/21	1730	[signature] AAL	8/17/21 20:00
[signature] AAL	8/18/21 01:00	[signature]	8/18/21 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2144683
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/31/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2144683-01	EP37_2	SOIL	BROOKLYN, NY	08/19/21 09:35	08/19/21
L2144683-02	EP31_2	SOIL	BROOKLYN, NY	08/19/21 09:45	08/19/21
L2144683-03	EP32_2	SOIL	BROOKLYN, NY	08/19/21 10:05	08/19/21
L2144683-04	EP03_2	SOIL	BROOKLYN, NY	08/19/21 13:45	08/19/21
L2144683-05	EP09_2	SOIL	BROOKLYN, NY	08/19/21 13:55	08/19/21
L2144683-06	PFB05_081921	WATER	BROOKLYN, NY	08/19/21 14:24	08/19/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

Case Narrative (continued)

Report Submission

August 31, 2021: This final report includes the results of all requested analyses.

August 27, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1538937-5 Method Blank, associated with L2144683-02 through -05, has a concentration above the reporting limit for 1,2,3-trichlorobenzene. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Perfluorinated Alkyl Acids by Isotope Dilution

L2144683-02, -03, -04, -05, WG1538333-1 and WG1538333-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2144683-02, -03, and -05: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

The WG1538333-2 LCS recoveries, associated with L2144683-01 through -05, are above the acceptance criteria for perfluoroheptanesulfonic acid (pfhps) (140%) and 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (158%); however, the associated samples are non-detect to the RL for these target analytes. The results of the original analysis are reported.

Pesticides

L2144683-01: The internal standard (IS) response for 1-bromo-2-nitrobenzene (810%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

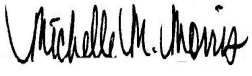
Case Narrative (continued)

Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (3%) due to interference with the Internal Standard.

Total Metals

L2144683-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 08/31/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/21 11:36
Analyst: AJK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	0.43	J	ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01 Date Collected: 08/19/21 09:35

Client ID: EP37_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	0.46	J	ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	17		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	0.83	J	ug/kg	4.5	0.74	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01 Date Collected: 08/19/21 09:35

Client ID: EP37_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	0.86	J	ug/kg	2.3	0.36	1
1,2,4-Trichlorobenzene	3.6		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/21 00:45
Analyst: JC
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02 Date Collected: 08/19/21 09:45

Client ID: EP31_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02 Date Collected: 08/19/21 09:45

Client ID: EP31_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	98	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	115		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/21 01:10
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	4.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	1.9	0.44	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.24	1
Dibromochloromethane	ND		ug/kg	1.9	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.51	1
Tetrachloroethene	ND		ug/kg	0.96	0.37	1
Chlorobenzene	ND		ug/kg	0.96	0.24	1
Trichlorofluoromethane	ND		ug/kg	7.6	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.49	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.32	1
Bromodichloromethane	ND		ug/kg	0.96	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.52	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	0.30	1
1,1-Dichloropropene	ND		ug/kg	0.96	0.30	1
Bromoform	ND		ug/kg	7.6	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.32	1
Benzene	ND		ug/kg	0.96	0.32	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.27	1
Chloromethane	ND		ug/kg	7.6	1.8	1
Bromomethane	ND		ug/kg	3.8	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.64	1
Chloroethane	ND		ug/kg	3.8	0.86	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.26	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03 Date Collected: 08/19/21 10:05

Client ID: EP32_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.96	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.8	0.38	1
p/m-Xylene	ND		ug/kg	3.8	1.1	1
o-Xylene	ND		ug/kg	1.9	0.56	1
Xylenes, Total	ND		ug/kg	1.9	0.56	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.26	1
Dibromomethane	ND		ug/kg	3.8	0.46	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	19	1.8	1
Acetone	ND		ug/kg	19	9.2	1
Carbon disulfide	ND		ug/kg	19	8.7	1
2-Butanone	ND		ug/kg	19	4.2	1
Vinyl acetate	ND		ug/kg	19	4.1	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	3.8	0.24	1
2-Hexanone	ND		ug/kg	19	2.2	1
Bromochloromethane	ND		ug/kg	3.8	0.39	1
2,2-Dichloropropane	ND		ug/kg	3.8	0.39	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.53	1
1,3-Dichloropropane	ND		ug/kg	3.8	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.96	0.25	1
Bromobenzene	ND		ug/kg	3.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.9	0.32	1
sec-Butylbenzene	ND		ug/kg	1.9	0.28	1
tert-Butylbenzene	ND		ug/kg	3.8	0.22	1
o-Chlorotoluene	ND		ug/kg	3.8	0.36	1
p-Chlorotoluene	ND		ug/kg	3.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.32	1
Isopropylbenzene	ND		ug/kg	1.9	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.21	1
Naphthalene	ND		ug/kg	7.6	1.2	1
Acrylonitrile	ND		ug/kg	7.6	2.2	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03 Date Collected: 08/19/21 10:05

Client ID: EP32_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.9	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	0.62	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	0.52	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	0.37	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	0.64	1
1,4-Dioxane	ND		ug/kg	150	67.	1
p-Diethylbenzene	ND		ug/kg	3.8	0.34	1
p-Ethyltoluene	ND		ug/kg	3.8	0.73	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.36	1
Ethyl ether	ND		ug/kg	3.8	0.65	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.6	2.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	112		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/21 01:36
Analyst: JC
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04 Date Collected: 08/19/21 13:45

Client ID: EP03_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04 Date Collected: 08/19/21 13:45

Client ID: EP03_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	113		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/21 02:01
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/21 18:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1538937-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	0.89	J	ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/21 18:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1538937-5					
1,2-Dichlorobenzene	0.42	J	ug/kg	2.0	0.14
1,3-Dichlorobenzene	0.33	J	ug/kg	2.0	0.15
1,4-Dichlorobenzene	0.42	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.32	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	0.30	J	ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	0.90	J	ug/kg	1.0	0.17
sec-Butylbenzene	0.42	J	ug/kg	1.0	0.15
tert-Butylbenzene	0.33	J	ug/kg	2.0	0.12
o-Chlorotoluene	0.20	J	ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/21 18:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1538937-5					
p-Chlorotoluene	0.21	J	ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	1.2	J	ug/kg	4.0	0.17
Isopropylbenzene	0.15	J	ug/kg	1.0	0.11
p-Isopropyltoluene	0.51	J	ug/kg	1.0	0.11
Naphthalene	2.1	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	0.22	J	ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	2.0		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	1.7	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	0.27	J	ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	0.39	J	ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	0.81	J	ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	1.4	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/21 06:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1539199-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/21 06:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1539199-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	0.30	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/21 06:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1539199-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.37	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.15	J	ug/kg	1.0	0.11
Naphthalene	0.66	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.77	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.56	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	0.25	J	ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.45	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1538937-3 WG1538937-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	87		86		70-130	1		30
Chloroform	87		86		70-130	1		30
Carbon tetrachloride	101		99		70-130	2		30
1,2-Dichloropropane	86		85		70-130	1		30
Dibromochloromethane	105		102		70-130	3		30
1,1,2-Trichloroethane	94		90		70-130	4		30
Tetrachloroethene	106		102		70-130	4		30
Chlorobenzene	95		93		70-130	2		30
Trichlorofluoromethane	104		102		70-139	2		30
1,2-Dichloroethane	88		89		70-130	1		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	93		93		70-130	0		30
trans-1,3-Dichloropropene	99		96		70-130	3		30
cis-1,3-Dichloropropene	96		95		70-130	1		30
1,1-Dichloropropene	95		95		70-130	0		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	90		89		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	91		89		70-130	2		30
Chloromethane	88		86		52-130	2		30
Bromomethane	113		109		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1538937-3 WG1538937-4								
Vinyl chloride	85		83		67-130	2		30
Chloroethane	83		80		50-151	4		30
1,1-Dichloroethene	94		91		65-135	3		30
trans-1,2-Dichloroethene	93		92		70-130	1		30
Trichloroethene	93		94		70-130	1		30
1,2-Dichlorobenzene	95		92		70-130	3		30
1,3-Dichlorobenzene	96		94		70-130	2		30
1,4-Dichlorobenzene	95		93		70-130	2		30
Methyl tert butyl ether	96		93		66-130	3		30
p/m-Xylene	100		97		70-130	3		30
o-Xylene	90		87		70-130	3		30
cis-1,2-Dichloroethene	89		88		70-130	1		30
Dibromomethane	90		88		70-130	2		30
Styrene	94		92		70-130	2		30
Dichlorodifluoromethane	82		79		30-146	4		30
Acetone	88		85		54-140	3		30
Carbon disulfide	80		78		59-130	3		30
2-Butanone	73		**65**	Q	70-130	12		30
Vinyl acetate	88		86		70-130	2		30
4-Methyl-2-pentanone	97		94		70-130	3		30
1,2,3-Trichloropropane	84		85		68-130	1		30
2-Hexanone	78		81		70-130	4		30
Bromochloromethane	93		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1538937-3 WG1538937-4								
2,2-Dichloropropane	95		93		70-130	2		30
1,2-Dibromoethane	91		90		70-130	1		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	104		102		70-130	2		30
Bromobenzene	95		93		70-130	2		30
n-Butylbenzene	93		91		70-130	2		30
sec-Butylbenzene	95		93		70-130	2		30
tert-Butylbenzene	97		95		70-130	2		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	95		96		68-130	1		30
Hexachlorobutadiene	102		101		67-130	1		30
Isopropylbenzene	95		92		70-130	3		30
p-Isopropyltoluene	97		95		70-130	2		30
Naphthalene	88		91		70-130	3		30
Acrylonitrile	84		84		70-130	0		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	94		96		70-130	2		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	95		93		70-130	2		30
1,2,4-Trimethylbenzene	94		92		70-130	2		30
1,4-Dioxane	96		98		65-136	2		30
p-Diethylbenzene	97		96		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1538937-3 WG1538937-4								
p-Ethyltoluene	95		94		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		30
Ethyl ether	85		84		67-130	1		30
trans-1,4-Dichloro-2-butene	88		85		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1539199-3 WG1539199-4								
Methylene chloride	93		93		70-130	0		30
1,1-Dichloroethane	92		90		70-130	2		30
Chloroform	93		90		70-130	3		30
Carbon tetrachloride	102		98		70-130	4		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	107		110		70-130	3		30
1,1,2-Trichloroethane	95		99		70-130	4		30
Tetrachloroethene	108		104		70-130	4		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	103		100		70-139	3		30
1,2-Dichloroethane	93		96		70-130	3		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	98		100		70-130	2		30
trans-1,3-Dichloropropene	100		104		70-130	4		30
cis-1,3-Dichloropropene	101		102		70-130	1		30
1,1-Dichloropropene	98		95		70-130	3		30
Bromoform	100		106		70-130	6		30
1,1,2,2-Tetrachloroethane	91		95		70-130	4		30
Benzene	95		93		70-130	2		30
Toluene	95		92		70-130	3		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	89		88		52-130	1		30
Bromomethane	121		117		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1539199-3 WG1539199-4								
Vinyl chloride	86		84		67-130	2		30
Chloroethane	88		86		50-151	2		30
1,1-Dichloroethene	94		92		65-135	2		30
trans-1,2-Dichloroethene	97		94		70-130	3		30
Trichloroethene	99		97		70-130	2		30
1,2-Dichlorobenzene	99		99		70-130	0		30
1,3-Dichlorobenzene	102		101		70-130	1		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	97		101		66-130	4		30
p/m-Xylene	104		102		70-130	2		30
o-Xylene	93		92		70-130	1		30
cis-1,2-Dichloroethene	94		93		70-130	1		30
Dibromomethane	94		97		70-130	3		30
Styrene	97		98		70-130	1		30
Dichlorodifluoromethane	79		76		30-146	4		30
Acetone	90		108		54-140	18		30
Carbon disulfide	81		79		59-130	3		30
2-Butanone	**69**	Q	82		70-130	17		30
Vinyl acetate	90		86		70-130	5		30
4-Methyl-2-pentanone	96		106		70-130	10		30
1,2,3-Trichloropropane	88		93		68-130	6		30
2-Hexanone	75		88		70-130	16		30
Bromochloromethane	98		98		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1539199-3 WG1539199-4								
2,2-Dichloropropane	99		95		70-130	4		30
1,2-Dibromoethane	93		98		70-130	5		30
1,3-Dichloropropane	96		99		69-130	3		30
1,1,1,2-Tetrachloroethane	108		107		70-130	1		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	97		96		70-130	1		30
sec-Butylbenzene	98		96		70-130	2		30
tert-Butylbenzene	99		98		70-130	1		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	97		96		70-130	1		30
1,2-Dibromo-3-chloropropane	98		107		68-130	9		30
Hexachlorobutadiene	104		103		67-130	1		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	93		100		70-130	7		30
Acrylonitrile	85		93		70-130	9		30
n-Propylbenzene	97		95		70-130	2		30
1,2,3-Trichlorobenzene	99		103		70-130	4		30
1,2,4-Trichlorobenzene	103		106		70-130	3		30
1,3,5-Trimethylbenzene	98		97		70-130	1		30
1,2,4-Trimethylbenzene	99		98		70-130	1		30
1,4-Dioxane	93		102		65-136	9		30
p-Diethylbenzene	103		100		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1539199-3 WG1539199-4								
p-Ethyltoluene	100		99		70-130	1		30
1,2,4,5-Tetramethylbenzene	102		101		70-130	1		30
Ethyl ether	90		93		67-130	3		30
trans-1,4-Dichloro-2-butene	89		92		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		100		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/21 07:28
Analyst: WR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	69	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	1500		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01 Date Collected: 08/19/21 09:35

Client ID: EP37_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	640		ug/kg	120	23.	1
Benzo(a)pyrene	660		ug/kg	160	49.	1
Benzo(b)fluoranthene	790		ug/kg	120	34.	1
Benzo(k)fluoranthene	300		ug/kg	120	32.	1
Chrysene	650		ug/kg	120	21.	1
Acenaphthylene	48	J	ug/kg	160	31.	1
Anthracene	170		ug/kg	120	40.	1
Benzo(ghi)perylene	430		ug/kg	160	24.	1
Fluorene	62	J	ug/kg	200	20.	1
Phenanthrene	830		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	86	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	480		ug/kg	160	28.	1
Pyrene	1400		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	32	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01 Date Collected: 08/19/21 09:35

Client ID: EP37_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	55	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	32		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 20:35
Analyst: SG
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.576	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.576	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.288	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.576	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.288	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.288	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.288	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.576	0.207	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.576	0.157	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.288	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.288	0.150	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.288	0.077	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.576	0.331	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.576	0.232	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.576	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.576	0.176	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.576	0.113	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.576	0.097	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.576	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.576	0.236	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.576	0.062	1
PFOA/PFOS, Total	ND		ng/g	0.288	0.048	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01 Date Collected: 08/19/21 09:35

Client ID: EP37_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	108		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/21 07:51
Analyst: WR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	5000		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	270		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	150	J	ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02 Date Collected: 08/19/21 09:45

Client ID: EP31_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	3200		ug/kg	130	24.	1
Benzo(a)pyrene	2900		ug/kg	170	52.	1
Benzo(b)fluoranthene	3300		ug/kg	130	36.	1
Benzo(k)fluoranthene	970		ug/kg	130	34.	1
Chrysene	3300		ug/kg	130	22.	1
Acenaphthylene	90	J	ug/kg	170	33.	1
Anthracene	780		ug/kg	130	42.	1
Benzo(ghi)perylene	1700		ug/kg	170	25.	1
Fluorene	280		ug/kg	210	21.	1
Phenanthrene	3300		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	400		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	170	30.	1
Pyrene	6000		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	180	J	ug/kg	210	20.	1
2-Methylnaphthalene	170	J	ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02 Date Collected: 08/19/21 09:45

Client ID: EP31_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	170	J	ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	44		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	37		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 20:51
Analyst: SG
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.583	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.583	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.291	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.583	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.291	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.291	0.071	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.291	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.583	0.209	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.583	0.159	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.291	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.291	0.152	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.291	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.583	0.334	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.583	0.235	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.583	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.583	0.178	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.583	0.099	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.583	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.583	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.583	0.063	1
PFOA/PFOS, Total	ND		ng/g	0.291	0.049	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02 Date Collected: 08/19/21 09:45

Client ID: EP31_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	116		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	136		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	124		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	116		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	122		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/26/21 19:25
Analyst: RS
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.583	0.114	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**136**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/21 04:35
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	74	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1600		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	100	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03 Date Collected: 08/19/21 10:05

Client ID: EP32_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	930		ug/kg	110	20.	1
Benzo(a)pyrene	920		ug/kg	140	44.	1
Benzo(b)fluoranthene	1200		ug/kg	110	30.	1
Benzo(k)fluoranthene	290		ug/kg	110	29.	1
Chrysene	880		ug/kg	110	19.	1
Acenaphthylene	57	J	ug/kg	140	28.	1
Anthracene	210		ug/kg	110	35.	1
Benzo(ghi)perylene	620		ug/kg	140	21.	1
Fluorene	73	J	ug/kg	180	17.	1
Phenanthrene	750		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	650		ug/kg	140	25.	1
Pyrene	1600		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	57	J	ug/kg	180	17.	1
2-Methylnaphthalene	87	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03 Date Collected: 08/19/21 10:05

Client ID: EP32_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	55	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	45		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 21:08
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	0.138	J	ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.517	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.517	0.056	1
PFOA/PFOS, Total	0.138	J	ng/g	0.259	0.043	1

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	122		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	129		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	119		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/26/21 19:32
Analyst: RS
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**127**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/21 02:54
Analyst: WR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	93	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04 Date Collected: 08/19/21 13:45

Client ID: EP03_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	51	J	ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	46	J	ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	43	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	29	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	55	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	31	J	ug/kg	140	24.	1
Pyrene	85	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04 Date Collected: 08/19/21 13:45

Client ID: EP03_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	46		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 21:24
Analyst: SG
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.491	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.491	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.245	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.491	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.245	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.245	0.059	1
Perfluorooctanoic Acid (PFOA)	0.053	J	ng/g	0.245	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.491	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.491	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.245	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.245	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.245	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.491	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.491	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.491	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.491	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.491	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.491	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.491	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.491	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.491	0.053	1
PFOA/PFOS, Total	0.053	J	ng/g	0.245	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04 Date Collected: 08/19/21 13:45

Client ID: EP03_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	49		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	46		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/21 07:04
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	37	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	780		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	98	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	500		ug/kg	110	21.	1
Benzo(a)pyrene	540		ug/kg	150	45.	1
Benzo(b)fluoranthene	620		ug/kg	110	31.	1
Benzo(k)fluoranthene	240		ug/kg	110	29.	1
Chrysene	510		ug/kg	110	19.	1
Acenaphthylene	37	J	ug/kg	150	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	350		ug/kg	150	22.	1
Fluorene	40	J	ug/kg	180	18.	1
Phenanthrene	430		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	77	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	150	26.	1
Pyrene	860		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	33	J	ug/kg	180	17.	1
2-Methylnaphthalene	61	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	39	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	33		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 21:41
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.511	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.511	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.256	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.511	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.256	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.256	0.062	1
Perfluorooctanoic Acid (PFOA)	0.053	J	ng/g	0.256	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.511	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.511	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.256	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.256	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.256	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.511	0.294	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.511	0.206	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.511	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.511	0.156	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.511	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.511	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.511	0.209	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.511	0.055	1
PFOA/PFOS, Total	0.053	J	ng/g	0.256	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	112		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	125		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	115		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	121		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	116		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/26/21 19:39
Analyst: RS
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.511	0.100	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**125**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-06
Client ID: PFB05_081921
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 14:24
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 21:26
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.85	0.347	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.636	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.599	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.906	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.743	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-06
Client ID: PFB05_081921
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 14:24
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/21 21:52
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1537883-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/21 21:52
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1537883-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/21 21:52
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1537883-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	73		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 18:39
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1538333-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/21 18:39
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1538333-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	114		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	125		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	121		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	115		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	55		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	112		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/26/21 19:03
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/24/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1538333-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**151**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 20:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06 Batch: WG1538782-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/25/21 20:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/21 03:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06 Batch: WG1538782-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1537883-2 WG1537883-3								
Acenaphthene	77		69		31-137	11		50
1,2,4-Trichlorobenzene	77		69		38-107	11		50
Hexachlorobenzene	78		76		40-140	3		50
Bis(2-chloroethyl)ether	76		69		40-140	10		50
2-Chloronaphthalene	73		69		40-140	6		50
1,2-Dichlorobenzene	71		65		40-140	9		50
1,3-Dichlorobenzene	70		65		40-140	7		50
1,4-Dichlorobenzene	69		64		28-104	8		50
3,3'-Dichlorobenzidine	70		56		40-140	22		50
2,4-Dinitrotoluene	85		74		40-132	14		50
2,6-Dinitrotoluene	75		73		40-140	3		50
Fluoranthene	81		70		40-140	15		50
4-Chlorophenyl phenyl ether	81		71		40-140	13		50
4-Bromophenyl phenyl ether	82		74		40-140	10		50
Bis(2-chloroisopropyl)ether	74		70		40-140	6		50
Bis(2-chloroethoxy)methane	79		70		40-117	12		50
Hexachlorobutadiene	77		69		40-140	11		50
Hexachlorocyclopentadiene	63		56		40-140	12		50
Hexachloroethane	74		68		40-140	8		50
Isophorone	73		72		40-140	1		50
Naphthalene	75		66		40-140	13		50
Nitrobenzene	78		71		40-140	9		50
NDPA/DPA	81		71		36-157	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1537883-2 WG1537883-3								
n-Nitrosodi-n-propylamine	80		72		32-121	11		50
Bis(2-ethylhexyl)phthalate	95		82		40-140	15		50
Butyl benzyl phthalate	84		75		40-140	11		50
Di-n-butylphthalate	88		76		40-140	15		50
Di-n-octylphthalate	92		82		40-140	11		50
Diethyl phthalate	84		74		40-140	13		50
Dimethyl phthalate	77		72		40-140	7		50
Benzo(a)anthracene	80		71		40-140	12		50
Benzo(a)pyrene	83		70		40-140	17		50
Benzo(b)fluoranthene	84		79		40-140	6		50
Benzo(k)fluoranthene	77		71		40-140	8		50
Chrysene	81		68		40-140	17		50
Acenaphthylene	73		71		40-140	3		50
Anthracene	79		70		40-140	12		50
Benzo(ghi)perylene	84		79		40-140	6		50
Fluorene	81		71		40-140	13		50
Phenanthrene	77		68		40-140	12		50
Dibenzo(a,h)anthracene	84		79		40-140	6		50
Indeno(1,2,3-cd)pyrene	83		80		40-140	4		50
Pyrene	80		69		35-142	15		50
Biphenyl	72		68		37-127	6		50
4-Chloroaniline	61		55		40-140	10		50
2-Nitroaniline	77		74		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1537883-2 WG1537883-3								
3-Nitroaniline	73		62		26-129	16		50
4-Nitroaniline	86		76		41-125	12		50
Dibenzofuran	79		70		40-140	12		50
2-Methylnaphthalene	105		94		40-140	11		50
1,2,4,5-Tetrachlorobenzene	78		71		40-117	9		50
Acetophenone	79		72		14-144	9		50
2,4,6-Trichlorophenol	79		74		30-130	7		50
p-Chloro-m-cresol	84		75		26-103	11		50
2-Chlorophenol	78		72		25-102	8		50
2,4-Dichlorophenol	86		75		30-130	14		50
2,4-Dimethylphenol	82		71		30-130	14		50
2-Nitrophenol	80		74		30-130	8		50
4-Nitrophenol	104		91		11-114	13		50
2,4-Dinitrophenol	63		64		4-130	2		50
4,6-Dinitro-o-cresol	79		73		10-130	8		50
Pentachlorophenol	79		70		17-109	12		50
Phenol	81		73		26-90	10		50
2-Methylphenol	79		72		30-130.	9		50
3-Methylphenol/4-Methylphenol	87		78		30-130	11		50
2,4,5-Trichlorophenol	80		74		30-130	8		50
Benzoic Acid	50		44		10-110	13		50
Benzyl Alcohol	83		75		40-140	10		50
Carbazole	79		71		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1537883-2 WG1537883-3								
1,4-Dioxane	**35**	Q	**32**	Q	40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		68		25-120
Phenol-d6	83		75		10-120
Nitrobenzene-d5	77		70		23-120
2-Fluorobiphenyl	68		64		30-120
2,4,6-Tribromophenol	85		76		10-136
4-Terphenyl-d14	78		65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-05		Batch: WG1538333-2					
Perfluorobutanoic Acid (PFBA)	120		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	117		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	119		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	122		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	120		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	123		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	123		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	**140**	Q	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	123		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	125		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	117		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**158**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	124		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	124		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	118		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	126		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	130		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	126		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1538333-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	53				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1538333-2								
Perfluorooctanesulfonamide (FOSA)	123		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**142**	Q			10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 Batch: WG1538782-2								
Perfluorobutanoic Acid (PFBA)	107		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	106		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	105		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	110		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	115		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	104		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	109		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	109		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	108		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	123		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	109		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 Batch: WG1538782-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70				22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538333-3 QC Sample: L2145072-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.071J	5.41	6.56	120		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.41	6.44	119		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.8	5.76	120		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.06	6.90	136		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.41	6.45	119		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.08	5.23	103		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.41	6.40	118		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.94	5.79	117		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.088J	5.41	6.67	122		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.15	6.53	127		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.15	7.08	**138**	Q	-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.41	6.68	124		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.143J	5.02	6.54	127		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.41	6.57	121		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.19	8.09	**156**	Q	-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.2	6.03	116		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.41	6.50	120		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.41	6.38	118		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.21	6.15	118		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.41	6.43	119		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.41	5.81	107		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.41	6.78	125		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538333-3 QC Sample: L2145072-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.41	7.24	134		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.41	6.75	125		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	65				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	68				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	50				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	99				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1538782-3 WG1538782-4 QC Sample: L2145219-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	21.7	37.8	60.6	103		58.9	101		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	35.4	37.8	74.1	102		72.6	101		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	7.31	33.6	41.8	103		41.0	103		65-157	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.4	40.9	116		35.8	104		37-219	13		30
Perfluorohexanoic Acid (PFHxA)	29.7	37.8	68.5	103		68.4	105		69-168	0		30
Perfluoropentanesulfonic Acid (PFPeS)	4.56	35.6	44.6	113		41.4	106		52-156	7		30
Perfluoroheptanoic Acid (PFHpA)	39.3	37.8	79.0	105		77.0	102		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	29.2	34.6	67.5	111		63.3	101		69-177	6		30
Perfluorooctanoic Acid (PFOA)	88.9	37.8	128	103		126	101		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	7.88	36	48.0	111		45.3	107		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	1.85	36	37.1	98		34.5	93		61-179	7		30
Perfluorononanoic Acid (PFNA)	5.42	37.8	44.3	103		42.6	101		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	61.9	35.1	98.1	103		93.2	92		52-151	5		30
Perfluorodecanoic Acid (PFDA)	3.05	37.8	41.6	102		40.3	101		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.3	41.5	114		41.0	116		56-173	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.4	36.9	101		34.2	97		48-150	8		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.8	41.2	109		37.2	101		60-166	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.8	39.3	104		38.4	104		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.4	39.3	108		36.9	104		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	ND	37.8	37.4	99		37.0	100		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.8	38.8	103		39.3	107		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	ND	37.8	37.7	100		37.8	103		67-153	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1538782-3 WG1538782-4 QC Sample: L2145219-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.8	48.4	128		44.8	122		48-158	8		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.8	40.1	106		40.5	110		59-182	1		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140		124		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**186**	Q	**168**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**159**	Q	**154**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		62		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		61		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		71		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		68		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	57		**52**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	67		64		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	73		**69**	Q	71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		68		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		58		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		73		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**54**	Q	**52**	Q	62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		38		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	78		76		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		68		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		71		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		70		70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538333-4 QC Sample: L2145072-03 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.144J	0.126J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	0.054J	0.058J	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.168J	0.168J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.230J	0.229J	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538333-4 QC Sample: L2145072-03 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		103		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		125		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	67		71		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		109		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		106		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	127		121		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111		112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		106		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115		119		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		113		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		84		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		115		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		62		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		116		54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538333-4 QC Sample: L2145072-03 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41		68		24-159

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 21:27
Analyst: CW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.57	1	A
Aroclor 1221	ND		ug/kg	40.2	4.02	1	A
Aroclor 1232	ND		ug/kg	40.2	8.52	1	A
Aroclor 1242	ND		ug/kg	40.2	5.42	1	A
Aroclor 1248	ND		ug/kg	40.2	6.02	1	A
Aroclor 1254	13.5	J	ug/kg	40.2	4.39	1	B
Aroclor 1260	ND		ug/kg	40.2	7.42	1	A
Aroclor 1262	ND		ug/kg	40.2	5.10	1	A
Aroclor 1268	ND		ug/kg	40.2	4.16	1	A
PCBs, Total	13.5	J	ug/kg	40.2	3.57	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 21:34
Analyst: CW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.69	1	A
Aroclor 1221	ND		ug/kg	41.6	4.16	1	A
Aroclor 1232	ND		ug/kg	41.6	8.81	1	A
Aroclor 1242	ND		ug/kg	41.6	5.60	1	A
Aroclor 1248	ND		ug/kg	41.6	6.24	1	A
Aroclor 1254	29.5	J	ug/kg	41.6	4.55	1	B
Aroclor 1260	ND		ug/kg	41.6	7.68	1	A
Aroclor 1262	ND		ug/kg	41.6	5.28	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	29.5	J	ug/kg	41.6	3.69	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 21:41
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.54	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	23.1	J	ug/kg	35.6	3.89	1	A
Aroclor 1260	23.5	J	ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	46.6	J	ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/24/21 10:06
Analyst: JAW
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 15:20
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.03	1	A
Aroclor 1221	ND		ug/kg	34.1	3.42	1	A
Aroclor 1232	ND		ug/kg	34.1	7.23	1	A
Aroclor 1242	ND		ug/kg	34.1	4.60	1	A
Aroclor 1248	ND		ug/kg	34.1	5.12	1	A
Aroclor 1254	ND		ug/kg	34.1	3.73	1	A
Aroclor 1260	ND		ug/kg	34.1	6.30	1	A
Aroclor 1262	ND		ug/kg	34.1	4.33	1	A
Aroclor 1268	ND		ug/kg	34.1	3.53	1	A
PCBs, Total	ND		ug/kg	34.1	3.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 21:48
Analyst: CW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/23/21 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.71	1	A
Aroclor 1242	ND		ug/kg	36.4	4.90	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	22.6	J	ug/kg	36.4	3.98	1	A
Aroclor 1260	28.4	J	ug/kg	36.4	6.72	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	51.0	J	ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/21 21:06
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 08/23/21 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1537885-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.51	A
Aroclor 1260	ND		ug/kg	32.1	5.93	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1537885-2 WG1537885-3									
Aroclor 1016	77		78		40-140	1		50	A
Aroclor 1260	78		78		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	A
Decachlorobiphenyl	71		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	B
Decachlorobiphenyl	64		61		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/21 15:06
Analyst: SDC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/24/21 18:11
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	B
Lindane	ND		ug/kg	0.791	0.353	1	B
Alpha-BHC	ND		ug/kg	0.791	0.224	1	B
Beta-BHC	ND		ug/kg	1.90	0.720	1	B
Heptachlor	ND		ug/kg	0.949	0.425	1	B
Aldrin	ND		ug/kg	1.90	0.668	1	B
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	B
Endrin	ND		ug/kg	0.791	0.324	1	B
Endrin aldehyde	ND		ug/kg	2.37	0.830	1	B
Endrin ketone	ND		ug/kg	1.90	0.489	1	B
Dieldrin	ND		ug/kg	1.19	0.593	1	B
4,4'-DDE	ND		ug/kg	1.90	0.439	1	B
4,4'-DDD	ND		ug/kg	1.90	0.677	1	B
4,4'-DDT	ND		ug/kg	3.56	1.53	1	B
Endosulfan I	ND		ug/kg	1.90	0.448	1	B
Endosulfan II	ND		ug/kg	1.90	0.634	1	B
Endosulfan sulfate	ND		ug/kg	0.791	0.376	1	B
Methoxychlor	ND		ug/kg	3.56	1.11	1	B
Toxaphene	ND		ug/kg	35.6	9.96	1	B
cis-Chlordane	ND		ug/kg	2.37	0.661	1	B
trans-Chlordane	ND		ug/kg	2.37	0.626	1	B
Chlordane	ND		ug/kg	15.8	6.28	1	B

Project Name: 45 COMMERCIAL STREET
Lab Number: L2144683
Project Number: 170229024
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	**3**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/21 09:45
Analyst: SDC
Percent Solids: 80%
Methylation Date: 08/26/21 21:49

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 12:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	206	13.0	1	A
2,4,5-T	ND		ug/kg	206	6.39	1	A
2,4,5-TP (Silvex)	ND		ug/kg	206	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	82		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/21 15:17
Analyst: SDC
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/24/21 18:11
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	0.397	1	A
Lindane	ND		ug/kg	0.845	0.378	1	A
Alpha-BHC	ND		ug/kg	0.845	0.240	1	A
Beta-BHC	ND		ug/kg	2.03	0.769	1	A
Heptachlor	ND		ug/kg	1.01	0.454	1	A
Aldrin	ND		ug/kg	2.03	0.714	1	A
Heptachlor epoxide	ND		ug/kg	3.80	1.14	1	A
Endrin	ND		ug/kg	0.845	0.346	1	A
Endrin aldehyde	ND		ug/kg	2.53	0.887	1	A
Endrin ketone	ND		ug/kg	2.03	0.522	1	A
Dieldrin	ND		ug/kg	1.27	0.634	1	A
4,4'-DDE	ND		ug/kg	2.03	0.469	1	A
4,4'-DDD	ND		ug/kg	2.03	0.723	1	A
4,4'-DDT	ND		ug/kg	3.80	1.63	1	A
Endosulfan I	ND		ug/kg	2.03	0.479	1	A
Endosulfan II	ND		ug/kg	2.03	0.678	1	A
Endosulfan sulfate	ND		ug/kg	0.845	0.402	1	A
Methoxychlor	ND		ug/kg	3.80	1.18	1	A
Toxaphene	ND		ug/kg	38.0	10.6	1	A
cis-Chlordane	ND		ug/kg	2.53	0.706	1	A
trans-Chlordane	ND		ug/kg	2.53	0.669	1	A
Chlordane	ND		ug/kg	16.9	6.72	1	A

Project Name: 45 COMMERCIAL STREET
Lab Number: L2144683
Project Number: 170229024
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	**260**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/21 08:30
Analyst: AR
Percent Solids: 77%
Methylation Date: 08/25/21 16:05

Extraction Method: EPA 8151A
Extraction Date: 08/23/21 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	13.4	1	A
2,4,5-T	ND		ug/kg	212	6.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	111		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/21 15:28
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/24/21 18:11
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.607	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.970	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.399	1	A
4,4'-DDD	2.22		ug/kg	1.72	0.615	1	A
4,4'-DDT	4.56		ug/kg	3.23	1.39	1	B
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.01	1	A
Toxaphene	ND		ug/kg	32.3	9.06	1	A
cis-Chlordane	2.44		ug/kg	2.16	0.601	1	B
trans-Chlordane	2.06	JIP	ug/kg	2.16	0.569	1	B
Chlordane	ND		ug/kg	14.4	5.71	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03 Date Collected: 08/19/21 10:05

Client ID: EP32_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	141		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/21 08:49
Analyst: AR
Percent Solids: 91%
Methylation Date: 08/25/21 16:05

Extraction Method: EPA 8151A
Extraction Date: 08/23/21 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.49	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	93		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/21 15:39
Analyst: SDC
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/24/21 18:11
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.693	0.310	1	A
Alpha-BHC	ND		ug/kg	0.693	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.832	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.936	1	A
Endrin	ND		ug/kg	0.693	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	ND		ug/kg	1.66	0.385	1	A
4,4'-DDD	0.734	J	ug/kg	1.66	0.593	1	A
4,4'-DDT	ND		ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.693	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.970	1	A
Toxaphene	ND		ug/kg	31.2	8.73	1	A
cis-Chlordane	ND		ug/kg	2.08	0.579	1	A
trans-Chlordane	ND		ug/kg	2.08	0.549	1	A
Chlordane	ND		ug/kg	13.8	5.51	1	A

Project Name: 45 COMMERCIAL STREET
Lab Number: L2144683
Project Number: 170229024
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/21 10:03
Analyst: SDC
Percent Solids: 95%
Methylation Date: 08/26/21 21:49

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 12:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.42	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/21 15:50
Analyst: SDC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/24/21 18:11
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.765	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	ND		ug/kg	1.75	0.404	1	A
4,4'-DDD	5.11		ug/kg	1.75	0.623	1	A
4,4'-DDT	11.3		ug/kg	3.28	1.40	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.6	5.79	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05 Date Collected: 08/19/21 13:55

Client ID: EP09_2 Date Received: 08/19/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/21 09:25
Analyst: AR
Percent Solids: 90%
Methylation Date: 08/25/21 16:05

Extraction Method: EPA 8151A
Extraction Date: 08/23/21 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.65	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	109		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/24/21 05:43
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/23/21 08:15

Methylation Date: 08/23/21 21:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG1537940-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.10	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	65		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/21 12:12
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/24/21 14:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1538581-1						
Delta-BHC	ND		ug/kg	1.50	0.295	A
Lindane	ND		ug/kg	0.627	0.280	A
Alpha-BHC	ND		ug/kg	0.627	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.570	A
Heptachlor	ND		ug/kg	0.752	0.337	A
Aldrin	ND		ug/kg	1.50	0.530	A
Heptachlor epoxide	ND		ug/kg	2.82	0.846	A
Endrin	ND		ug/kg	0.627	0.257	A
Endrin aldehyde	ND		ug/kg	1.88	0.658	A
Endrin ketone	ND		ug/kg	1.50	0.387	A
Dieldrin	ND		ug/kg	0.940	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.537	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.503	A
Endosulfan sulfate	ND		ug/kg	0.627	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.878	A
Toxaphene	ND		ug/kg	28.2	7.90	A
cis-Chlordane	ND		ug/kg	1.88	0.524	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.5	4.98	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/21 12:12
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/24/21 14:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1538581-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/27/21 08:50
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 10:41

Methylation Date: 08/26/21 21:49

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,04 Batch: WG1539457-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1537940-2 WG1537940-3									
2,4-D	73		66		30-150	10		30	A
2,4,5-T	71		63		30-150	12		30	A
2,4,5-TP (Silvex)	71		64		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	71		67		30-150	A
DCAA	70		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1538581-2 WG1538581-3									
Delta-BHC	80		77		30-150	4		30	A
Lindane	80		78		30-150	3		30	A
Alpha-BHC	82		76		30-150	8		30	A
Beta-BHC	79		76		30-150	4		30	A
Heptachlor	78		74		30-150	5		30	A
Aldrin	73		70		30-150	4		30	A
Heptachlor epoxide	69		66		30-150	4		30	A
Endrin	73		71		30-150	3		30	A
Endrin aldehyde	56		55		30-150	2		30	A
Endrin ketone	69		65		30-150	6		30	A
Dieldrin	75		72		30-150	4		30	A
4,4'-DDE	72		70		30-150	3		30	A
4,4'-DDD	77		75		30-150	3		30	A
4,4'-DDT	80		78		30-150	3		30	A
Endosulfan I	70		70		30-150	0		30	A
Endosulfan II	72		69		30-150	4		30	A
Endosulfan sulfate	59		57		30-150	3		30	A
Methoxychlor	70		68		30-150	3		30	A
cis-Chlordane	76		66		30-150	14		30	A
trans-Chlordane	77		75		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1538581-2 WG1538581-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		76		30-150	A
Decachlorobiphenyl	61		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		80		30-150	B
Decachlorobiphenyl	55		60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG1539457-2 WG1539457-3									
2,4-D	60		62		30-150	3		30	A
2,4,5-T	58		59		30-150	2		30	A
2,4,5-TP (Silvex)	55		57		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	62		63		30-150	A
DCAA	63		64		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7750		mg/kg	9.36	2.53	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Antimony, Total	0.627	J	mg/kg	4.68	0.356	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Arsenic, Total	10.6		mg/kg	0.936	0.195	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Barium, Total	82.8		mg/kg	0.936	0.163	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Beryllium, Total	0.768		mg/kg	0.468	0.031	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Cadmium, Total	0.712	J	mg/kg	0.936	0.092	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Calcium, Total	14500		mg/kg	9.36	3.28	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Chromium, Total	18.1		mg/kg	0.936	0.090	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Cobalt, Total	10.7		mg/kg	1.87	0.155	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Copper, Total	70.4		mg/kg	0.936	0.242	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Iron, Total	14900		mg/kg	4.68	0.846	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Lead, Total	162		mg/kg	4.68	0.251	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Magnesium, Total	7820		mg/kg	9.36	1.44	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Manganese, Total	109		mg/kg	0.936	0.149	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Mercury, Total	0.434		mg/kg	0.078	0.051	1	08/24/21 09:45	08/24/21 18:20	EPA 7471B	1,7471B	OU
Nickel, Total	25.8		mg/kg	2.34	0.226	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Potassium, Total	757		mg/kg	234	13.5	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Selenium, Total	0.871	J	mg/kg	1.87	0.242	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.936	0.265	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Sodium, Total	76.3	J	mg/kg	187	2.95	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.87	0.295	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Vanadium, Total	21.4		mg/kg	0.936	0.190	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
Zinc, Total	260		mg/kg	4.68	0.274	2	08/24/21 07:00	08/25/21 13:20	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18		mg/kg	1.0	1.0	1		08/25/21 23:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4080		mg/kg	9.92	2.68	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Antimony, Total	4.50	J	mg/kg	4.96	0.377	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Arsenic, Total	10.8		mg/kg	0.992	0.206	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Barium, Total	100		mg/kg	0.992	0.173	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Beryllium, Total	0.407	J	mg/kg	0.496	0.033	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Cadmium, Total	0.377	J	mg/kg	0.992	0.097	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Calcium, Total	7720		mg/kg	9.92	3.47	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Chromium, Total	16.0		mg/kg	0.992	0.095	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Cobalt, Total	7.22		mg/kg	1.98	0.165	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Copper, Total	108		mg/kg	0.992	0.256	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Iron, Total	23600		mg/kg	4.96	0.896	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Lead, Total	218		mg/kg	4.96	0.266	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Magnesium, Total	3620		mg/kg	9.92	1.53	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Manganese, Total	296		mg/kg	0.992	0.158	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Mercury, Total	0.488		mg/kg	0.083	0.054	1	08/24/21 09:45	08/24/21 18:23	EPA 7471B	1,7471B	OU
Nickel, Total	15.3		mg/kg	2.48	0.240	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Potassium, Total	752		mg/kg	248	14.3	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Selenium, Total	0.665	J	mg/kg	1.98	0.256	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.992	0.281	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Sodium, Total	81.5	J	mg/kg	198	3.12	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.98	0.312	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Vanadium, Total	17.4		mg/kg	0.992	0.201	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
Zinc, Total	217		mg/kg	4.96	0.291	2	08/24/21 07:00	08/25/21 13:25	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	1.0	1.0	1		08/25/21 23:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5140		mg/kg	8.23	2.22	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Antimony, Total	0.914	J	mg/kg	4.12	0.313	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Arsenic, Total	20.3		mg/kg	0.823	0.171	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Barium, Total	93.8		mg/kg	0.823	0.143	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Beryllium, Total	0.379	J	mg/kg	0.412	0.027	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Cadmium, Total	0.247	J	mg/kg	0.823	0.081	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Calcium, Total	33800		mg/kg	8.23	2.88	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Chromium, Total	14.8		mg/kg	0.823	0.079	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Cobalt, Total	6.08		mg/kg	1.65	0.137	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Copper, Total	74.6		mg/kg	0.823	0.212	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Iron, Total	17000		mg/kg	4.12	0.743	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Lead, Total	204		mg/kg	4.12	0.221	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Magnesium, Total	16600		mg/kg	8.23	1.27	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Manganese, Total	181		mg/kg	0.823	0.131	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Mercury, Total	0.494		mg/kg	0.069	0.045	1	08/24/21 09:45	08/24/21 18:27	EPA 7471B	1,7471B	OU
Nickel, Total	12.7		mg/kg	2.06	0.199	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Potassium, Total	760		mg/kg	206	11.8	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Selenium, Total	0.692	J	mg/kg	1.65	0.212	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.823	0.233	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Sodium, Total	375		mg/kg	165	2.59	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.65	0.259	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Vanadium, Total	18.9		mg/kg	0.823	0.167	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
Zinc, Total	158		mg/kg	4.12	0.241	2	08/24/21 07:00	08/25/21 13:29	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.88	0.88	1		08/25/21 23:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	902		mg/kg	7.90	2.13	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Antimony, Total	0.316	J	mg/kg	3.95	0.300	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Arsenic, Total	6.27		mg/kg	0.790	0.164	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Barium, Total	11.4		mg/kg	0.790	0.138	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Beryllium, Total	0.126	J	mg/kg	0.395	0.026	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Cadmium, Total	0.095	J	mg/kg	0.790	0.077	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Calcium, Total	152000		mg/kg	79.0	27.6	20	08/24/21 07:00	08/25/21 15:13	EPA 3050B	1,6010D	DL
Chromium, Total	2.72		mg/kg	0.790	0.076	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Cobalt, Total	2.16		mg/kg	1.58	0.131	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Copper, Total	21.7		mg/kg	0.790	0.204	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Iron, Total	5370		mg/kg	3.95	0.714	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Lead, Total	14.2		mg/kg	3.95	0.212	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Magnesium, Total	84200		mg/kg	79.0	12.2	20	08/24/21 07:00	08/25/21 15:13	EPA 3050B	1,6010D	DL
Manganese, Total	144		mg/kg	0.790	0.126	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Mercury, Total	0.050	J	mg/kg	0.067	0.044	1	08/24/21 09:45	08/24/21 18:30	EPA 7471B	1,7471B	OU
Nickel, Total	3.66		mg/kg	1.98	0.191	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Potassium, Total	201		mg/kg	198	11.4	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Selenium, Total	0.379	J	mg/kg	1.58	0.204	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.790	0.224	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Sodium, Total	145	J	mg/kg	158	2.49	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.58	0.249	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Vanadium, Total	6.97		mg/kg	0.790	0.160	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
Zinc, Total	27.4		mg/kg	3.95	0.232	2	08/24/21 07:00	08/25/21 13:34	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	2.7		mg/kg	0.84	0.84	1		08/25/21 23:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2930		mg/kg	8.67	2.34	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Antimony, Total	0.884	J	mg/kg	4.34	0.329	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Arsenic, Total	14.5		mg/kg	0.867	0.180	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Barium, Total	124		mg/kg	0.867	0.151	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Beryllium, Total	0.529		mg/kg	0.434	0.029	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Cadmium, Total	0.217	J	mg/kg	0.867	0.085	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Calcium, Total	95900		mg/kg	86.7	30.3	20	08/24/21 07:00	08/25/21 16:27	EPA 3050B	1,6010D	DL
Chromium, Total	12.2		mg/kg	0.867	0.083	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Cobalt, Total	7.97		mg/kg	1.73	0.144	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Copper, Total	88.1		mg/kg	0.867	0.224	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Iron, Total	15800		mg/kg	4.34	0.783	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Lead, Total	221		mg/kg	4.34	0.232	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Magnesium, Total	42600		mg/kg	8.67	1.34	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Manganese, Total	166		mg/kg	0.867	0.138	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Mercury, Total	0.656		mg/kg	0.070	0.046	1	08/24/21 09:45	08/24/21 18:33	EPA 7471B	1,7471B	OU
Nickel, Total	15.4		mg/kg	2.17	0.210	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Potassium, Total	431		mg/kg	217	12.5	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Selenium, Total	1.10	J	mg/kg	1.73	0.224	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.867	0.245	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Sodium, Total	272		mg/kg	173	2.73	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Vanadium, Total	19.5		mg/kg	0.867	0.176	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
Zinc, Total	326		mg/kg	4.34	0.254	2	08/24/21 07:00	08/25/21 14:31	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.89	0.89	1		08/25/21 23:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2144683

Project Number: 170229024 **Report Date:** 08/31/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1538060-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Copper, Total	0.120	J	mg/kg	0.400	0.103	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Iron, Total	ND		mg/kg	2.00	0.361	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Sodium, Total	1.88	J	mg/kg	80.0	1.26	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/24/21 07:00	08/25/21 11:58	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1538062-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/24/21 09:45	08/24/21 17:50	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1538060-2 SRM Lot Number: D109-540								
Aluminum, Total	69		-		50-150	-		
Antimony, Total	146		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	91		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	95		-		70-130	-		
Cobalt, Total	93		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	96		-		35-165	-		
Lead, Total	91		-		72-128	-		
Magnesium, Total	85		-		62-138	-		
Manganese, Total	94		-		74-126	-		
Nickel, Total	93		-		70-130	-		
Potassium, Total	88		-		59-141	-		
Selenium, Total	96		-		68-132	-		
Silver, Total	97		-		68-131	-		
Sodium, Total	77		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	99		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1538060-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1538062-2 SRM Lot Number: D109-540					
Mercury, Total	85	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538060-3 QC Sample: L2145039-06 Client ID: MS Sample												
Aluminum, Total	7800	178	7550	**0**	Q	-	-		75-125	-		20
Antimony, Total	0.724J	44.4	32.1	**72**	Q	-	-		75-125	-		20
Arsenic, Total	10.0	10.6	20.4	98		-	-		75-125	-		20
Barium, Total	69.4	178	198	**72**	Q	-	-		75-125	-		20
Beryllium, Total	0.441	4.44	3.88	77		-	-		75-125	-		20
Cadmium, Total	0.157J	4.71	3.68	78		-	-		75-125	-		20
Calcium, Total	39700	888	40500	90		-	-		75-125	-		20
Chromium, Total	14.1	17.8	27.5	75		-	-		75-125	-		20
Cobalt, Total	14.2	44.4	38.9	**56**	Q	-	-		75-125	-		20
Copper, Total	22.4	22.2	44.0	97		-	-		75-125	-		20
Iron, Total	21600	88.8	21700	113		-	-		75-125	-		20
Lead, Total	8.73	47.1	42.6	**72**	Q	-	-		75-125	-		20
Magnesium, Total	8780	888	9810	116		-	-		75-125	-		20
Manganese, Total	644	44.4	338	**0**	Q	-	-		75-125	-		20
Nickel, Total	31.4	44.4	53.6	**50**	Q	-	-		75-125	-		20
Potassium, Total	1140	888	1840	79		-	-		75-125	-		20
Selenium, Total	ND	10.6	8.69	82		-	-		75-125	-		20
Silver, Total	ND	26.6	23.4	88		-	-		75-125	-		20
Sodium, Total	155	888	949	89		-	-		75-125	-		20
Thallium, Total	0.252J	10.6	7.13	**67**	Q	-	-		75-125	-		20
Vanadium, Total	15.4	44.4	53.0	85		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538060-3 QC Sample: L2145039-06 Client ID: MS Sample										
Zinc, Total	53.2	44.4	86.9	76		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538062-3 QC Sample: L2145039-06 Client ID: MS Sample										
Mercury, Total	ND	0.146	0.182	**125**	Q	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538060-4 QC Sample: L2145039-06 Client ID: DUP Sample						
Arsenic, Total	10.0	10.5	mg/kg	5		20
Barium, Total	69.4	48.9	mg/kg	**35**	Q	20
Cadmium, Total	0.157J	0.137J	mg/kg	NC		20
Chromium, Total	14.1	14.4	mg/kg	2		20
Lead, Total	8.73	8.52	mg/kg	2		20
Nickel, Total	31.4	22.4	mg/kg	**33**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538062-4 QC Sample: L2145039-06 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1538060-6 QC Sample: L2145039-06 Client ID: DUP Sample						
Nickel, Total	31.4	40.5	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-01
Client ID: EP37_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/19/21 09:35
Date Received: 08/19/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	08/20/21 12:12	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.996	0.199	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-02
Client ID: EP31_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/19/21 09:45
Date Received: 08/19/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	08/20/21 12:12	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.03	0.207	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-03
Client ID: EP32_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/19/21 10:05
Date Received: 08/19/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/20/21 12:12	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.875	0.175	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-04
Client ID: EP03_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/19/21 13:45
Date Received: 08/19/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/20/21 12:12	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.842	0.168	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

SAMPLE RESULTS

Lab ID: L2144683-05
Client ID: EP09_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/19/21 13:55
Date Received: 08/19/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/20/21 12:12	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.888	0.178	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1538726-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/24/21 23:44	08/25/21 23:00	1,7196A	NA

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2144683

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1538726-2								
Chromium, Hexavalent	84		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1538726-4 QC Sample: L2144683-03 Client ID: EP32_2												
Chromium, Hexavalent	ND	819	788	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1537381-1 QC Sample: L2144468-01 Client ID: DUP Sample						
Solids, Total	70.7	69.4	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1538726-6 QC Sample: L2144683-03 Client ID: EP32_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144683-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2144683-01B	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-01C	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-01D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-01D1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2144683-01F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-01G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-01H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144683-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2144683-02B	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-02C	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-02D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-02D1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2144683-02F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-02G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144683-02H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144683-03A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2144683-03B	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-03C	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-03D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-03D1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2144683-03F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-03G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-03H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144683-04A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2144683-04B	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-04C	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-04D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-04D1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2144683-04F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-04G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-04H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144683-05A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2144683-05B	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)
L2144683-05C	Vial water preserved	A	NA		4.4	Y	Absent	20-AUG-21 09:36	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2144683
Report Date: 08/31/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144683-05D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-05D1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2144683-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2144683-05F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-05G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2144683-05H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2144683-06A	Plastic 250ml unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2144683
Report Date: 08/31/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2144683
Project Number:	170229024	**Report Date:**	08/31/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/20/21

ALPHA Job #: L2144683

Client Information
Client: Langan DPC
Address: 360 W 31th Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: whim@langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project # 170 229 024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals/Tin/Cr	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
44683-01	EP37_2	8/19/2021	0935	Soil	YMP	X	X	X	X	X	X	X			
-02	EP31_2	↓	0945	↓	↓	X	X	X	X	X	X	X			
-03	EP32_2	↓	1005	↓	↓	X	X	X	X	X	X	X			
-04	EP03_2	↓	1345	↓	↓	X	X	X	X	X	X	X			
-05	EP09_2	↓	1355	↓	↓	X	X	X	X	X	X	X			
-06	PFB05_081921	↓	1424	AQ	↓						X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	8/19/2021 1447	WASHINGTON AAL	8/19/21 1447
WASHINGTON	8/19/21 18:38	[signature] AAL	8/19/21 2000
[signature] AAL	8/20/21 0035	[signature]	8/20/21 0035

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2145462
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/02/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2145462-01	EP06_2	SOIL	BROOKLYN, NY	08/24/21 12:10	08/24/21
L2145462-02	EP12_2	SOIL	BROOKLYN, NY	08/24/21 12:20	08/24/21
L2145462-03	EP18_2	SOIL	BROOKLYN, NY	08/24/21 12:50	08/24/21
L2145462-04	PFB06_082421	WATER	BROOKLYN, NY	08/24/21 14:20	08/24/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462
Project Number: 170229024 **Report Date:** 09/02/21

Case Narrative (continued)

Report Submission
September 02, 2021: This final report includes the results of all requested analyses.
September 01, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution
L2145462-02: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
L2145462-03, WG1539386-1, WG1540362-1, WG1539386-2, and WG1540362-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2145462-03: The Extracted Internal Standard recoveries were below 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%); however, the criteria was achieved upon re-extraction at lower volume within holding time. The results of the re-extraction are reported for the associated target compounds.
L2145462-03RE: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.
The WG1539386-2 LCS recovery, associated with L2145462-01, -02, and -03, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (143%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.
The WG1539386-3 MS recovery, performed on L2145462-01, is outside the acceptance criteria for perfluorotridecanoic acid (pftrda) (141%).

Pesticides
L2145462-03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

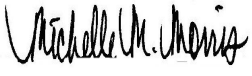
Case Narrative (continued)

Total Metals

L2145462-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1539312-3 MS recovery, performed on L2145462-01, is outside the acceptance criteria for mercury (155%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 09/02/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/27/21 20:26
Analyst: MKS
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.3	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	7.0	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.8	0.94	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	117		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/27/21 20:54
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.1	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.71	0.28	1
Chlorobenzene	ND		ug/kg	0.71	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.99	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.71	0.24	1
Bromodichloromethane	ND		ug/kg	0.71	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.71	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.71	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.71	0.22	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.71	0.24	1
Benzene	ND		ug/kg	0.71	0.24	1
Toluene	ND		ug/kg	1.4	0.77	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.71	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.80	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.71	0.19	1
Bromobenzene	ND		ug/kg	2.8	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.8	0.17	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.7	0.92	1
Acrylonitrile	ND		ug/kg	5.7	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	50.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	116		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/27/21 21:21
Analyst: MKS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	4.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	1.9	0.44	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.24	1
Dibromochloromethane	ND		ug/kg	1.9	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.51	1
Tetrachloroethene	ND		ug/kg	0.96	0.37	1
Chlorobenzene	ND		ug/kg	0.96	0.24	1
Trichlorofluoromethane	ND		ug/kg	7.6	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.49	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.32	1
Bromodichloromethane	ND		ug/kg	0.96	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.52	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	0.30	1
1,1-Dichloropropene	ND		ug/kg	0.96	0.30	1
Bromoform	ND		ug/kg	7.6	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.32	1
Benzene	ND		ug/kg	0.96	0.32	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.27	1
Chloromethane	ND		ug/kg	7.6	1.8	1
Bromomethane	ND		ug/kg	3.8	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.64	1
Chloroethane	ND		ug/kg	3.8	0.86	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.26	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 Date Collected: 08/24/21 12:50

Client ID: EP18_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.96	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.8	0.38	1
p/m-Xylene	ND		ug/kg	3.8	1.1	1
o-Xylene	ND		ug/kg	1.9	0.56	1
Xylenes, Total	ND		ug/kg	1.9	0.56	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.26	1
Dibromomethane	ND		ug/kg	3.8	0.46	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	19	1.8	1
Acetone	ND		ug/kg	19	9.2	1
Carbon disulfide	ND		ug/kg	19	8.7	1
2-Butanone	ND		ug/kg	19	4.2	1
Vinyl acetate	ND		ug/kg	19	4.1	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	3.8	0.24	1
2-Hexanone	ND		ug/kg	19	2.2	1
Bromochloromethane	ND		ug/kg	3.8	0.39	1
2,2-Dichloropropane	ND		ug/kg	3.8	0.39	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.53	1
1,3-Dichloropropane	ND		ug/kg	3.8	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.96	0.25	1
Bromobenzene	ND		ug/kg	3.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.9	0.32	1
sec-Butylbenzene	ND		ug/kg	1.9	0.28	1
tert-Butylbenzene	ND		ug/kg	3.8	0.22	1
o-Chlorotoluene	ND		ug/kg	3.8	0.36	1
p-Chlorotoluene	ND		ug/kg	3.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.32	1
Isopropylbenzene	ND		ug/kg	1.9	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.21	1
Naphthalene	ND		ug/kg	7.6	1.2	1
Acrylonitrile	ND		ug/kg	7.6	2.2	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 Date Collected: 08/24/21 12:50

Client ID: EP18_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.9	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	0.62	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	0.52	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	0.37	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	0.64	1
1,4-Dioxane	ND		ug/kg	150	67.	1
p-Diethylbenzene	ND		ug/kg	3.8	0.34	1
p-Ethyltoluene	ND		ug/kg	3.8	0.73	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.36	1
Ethyl ether	ND		ug/kg	3.8	0.65	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.6	2.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	117		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/21 15:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1540459-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/21 15:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1540459-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/21 15:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1540459-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1540459-3 WG1540459-4								
Methylene chloride	92		88		70-130	4		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	94		90		70-130	4		30
1,2-Dichloropropane	93		90		70-130	3		30
Dibromochloromethane	99		97		70-130	2		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	95		90		70-130	5		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	119		112		70-139	6		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	102		96		70-130	6		30
Bromodichloromethane	93		92		70-130	1		30
trans-1,3-Dichloropropene	97		96		70-130	1		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	94		91		70-130	3		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	97		94		70-130	3		30
Benzene	89		86		70-130	3		30
Toluene	90		86		70-130	5		30
Ethylbenzene	92		89		70-130	3		30
Chloromethane	113		104		52-130	8		30
Bromomethane	119		107		57-147	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1540459-3 WG1540459-4								
Vinyl chloride	120		110		67-130	9		30
Chloroethane	118		109		50-151	8		30
1,1-Dichloroethene	93		88		65-135	6		30
trans-1,2-Dichloroethene	92		86		70-130	7		30
Trichloroethene	96		92		70-130	4		30
1,2-Dichlorobenzene	92		89		70-130	3		30
1,3-Dichlorobenzene	92		89		70-130	3		30
1,4-Dichlorobenzene	93		89		70-130	4		30
Methyl tert butyl ether	94		94		66-130	0		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	103		101		70-130	2		30
cis-1,2-Dichloroethene	87		85		70-130	2		30
Dibromomethane	86		88		70-130	2		30
Styrene	105		104		70-130	1		30
Dichlorodifluoromethane	112		103		30-146	8		30
Acetone	95		97		54-140	2		30
Carbon disulfide	93		88		59-130	6		30
2-Butanone	96		99		70-130	3		30
Vinyl acetate	104		100		70-130	4		30
4-Methyl-2-pentanone	84		88		70-130	5		30
1,2,3-Trichloropropane	91		92		68-130	1		30
2-Hexanone	97		100		70-130	3		30
Bromochloromethane	88		85		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1540459-3 WG1540459-4								
2,2-Dichloropropane	92		87		70-130	6		30
1,2-Dibromoethane	92		92		70-130	0		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	97		95		70-130	2		30
Bromobenzene	90		85		70-130	6		30
n-Butylbenzene	100		93		70-130	7		30
sec-Butylbenzene	91		86		70-130	6		30
tert-Butylbenzene	91		85		70-130	7		30
o-Chlorotoluene	92		85		70-130	8		30
p-Chlorotoluene	93		88		70-130	6		30
1,2-Dibromo-3-chloropropane	84		87		68-130	4		30
Hexachlorobutadiene	93		87		67-130	7		30
Isopropylbenzene	91		85		70-130	7		30
p-Isopropyltoluene	92		87		70-130	6		30
Naphthalene	84		84		70-130	0		30
Acrylonitrile	86		88		70-130	2		30
n-Propylbenzene	92		86		70-130	7		30
1,2,3-Trichlorobenzene	92		89		70-130	3		30
1,2,4-Trichlorobenzene	93		90		70-130	3		30
1,3,5-Trimethylbenzene	92		86		70-130	7		30
1,2,4-Trimethylbenzene	95		90		70-130	5		30
1,4-Dioxane	86		92		65-136	7		30
p-Diethylbenzene	105		98		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1540459-3 WG1540459-4								
p-Ethyltoluene	109		104		70-130	5		30
1,2,4,5-Tetramethylbenzene	106		101		70-130	5		30
Ethyl ether	124		123		67-130	1		30
trans-1,4-Dichloro-2-butene	123		121		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		113		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	107		107		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/21 15:10
Analyst: JG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1900		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	100	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	88	J	ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	670		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	980		ug/kg	120	22.	1
Benzo(a)pyrene	930		ug/kg	160	48.	1
Benzo(b)fluoranthene	1200		ug/kg	120	33.	1
Benzo(k)fluoranthene	330		ug/kg	120	32.	1
Chrysene	910		ug/kg	120	20.	1
Acenaphthylene	120	J	ug/kg	160	30.	1
Anthracene	250		ug/kg	120	38.	1
Benzo(ghi)perylene	580		ug/kg	160	23.	1
Fluorene	120	J	ug/kg	200	19.	1
Phenanthrene	1300		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	140		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	640		ug/kg	160	27.	1
Pyrene	1600		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	77	J	ug/kg	200	19.	1
2-Methylnaphthalene	67	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	140	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	52		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 07:28
Analyst: HT
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.093	J	ng/g	0.536	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.116	J	ng/g	0.536	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.268	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.126	J	ng/g	0.536	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.086	J	ng/g	0.268	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.268	0.065	1
Perfluorooctanoic Acid (PFOA)	0.867		ng/g	0.268	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.536	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.536	0.146	1
Perfluorononanoic Acid (PFNA)	0.564		ng/g	0.268	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	1.89		ng/g	0.268	0.139	1
Perfluorodecanoic Acid (PFDA)	0.442		ng/g	0.268	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.536	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.536	0.216	1
Perfluoroundecanoic Acid (PFUnA)	0.054	J	ng/g	0.536	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.536	0.164	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.536	0.105	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.536	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.536	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.536	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.536	0.058	1
PFOA/PFOS, Total	2.76		ng/g	0.268	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/21 15:34
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	5700		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	190		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	120	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	3700		ug/kg	110	21.	1
Benzo(a)pyrene	3000		ug/kg	150	46.	1
Benzo(b)fluoranthene	4100		ug/kg	110	32.	1
Benzo(k)fluoranthene	1000		ug/kg	110	30.	1
Chrysene	3200		ug/kg	110	20.	1
Acenaphthylene	120	J	ug/kg	150	29.	1
Anthracene	710		ug/kg	110	37.	1
Benzo(ghi)perylene	1800		ug/kg	150	22.	1
Fluorene	190		ug/kg	190	18.	1
Phenanthrene	2800		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	440		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	150	26.	1
Pyrene	5400		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	130	J	ug/kg	190	18.	1
2-Methylnaphthalene	100	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	160	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	55		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 08:01
Analyst: HT
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.031	J	ng/g	0.529	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.529	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.264	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.066	J	ng/g	0.529	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.264	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.264	0.064	1
Perfluorooctanoic Acid (PFOA)	0.132	J	ng/g	0.264	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.529	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.529	0.144	1
Perfluorononanoic Acid (PFNA)	0.128	J	ng/g	0.264	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	1.53		ng/g	0.264	0.138	1
Perfluorodecanoic Acid (PFDA)	0.154	J	ng/g	0.264	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.529	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.529	0.213	1
Perfluoroundecanoic Acid (PFUnA)	0.057	J	ng/g	0.529	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.529	0.162	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.529	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.529	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.529	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.529	0.057	1
PFOA/PFOS, Total	1.66	J	ng/g	0.264	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 19:58
Analyst: RS
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.529	0.104	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/21 15:58
Analyst: JG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	960		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	10000	E	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	520		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 Date Collected: 08/24/21 12:50

Client ID: EP18_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	5300		ug/kg	120	22.	1
Benzo(a)pyrene	4700		ug/kg	150	47.	1
Benzo(b)fluoranthene	6300		ug/kg	120	32.	1
Benzo(k)fluoranthene	1500		ug/kg	120	31.	1
Chrysene	4600		ug/kg	120	20.	1
Acenaphthylene	310		ug/kg	150	30.	1
Anthracene	2000		ug/kg	120	37.	1
Benzo(ghi)perylene	2700		ug/kg	150	22.	1
Fluorene	950		ug/kg	190	19.	1
Phenanthrene	8700	E	ug/kg	120	23.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	150	27.	1
Pyrene	8900	E	ug/kg	120	19.	1
Biphenyl	82	J	ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	610		ug/kg	190	18.	1
2-Methylnaphthalene	290		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	49	J	ug/kg	280	30.	1

Project Name: 45 COMMERCIAL STREET
Lab Number: L2145462
Project Number: 170229024
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY
Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	920		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	56		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 08:34
Analyst: HT
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.040	J	ng/g	0.528	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.064	J	ng/g	0.528	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.264	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.069	JF	ng/g	0.528	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.264	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.264	0.064	1
Perfluorooctanoic Acid (PFOA)	0.108	J	ng/g	0.264	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.528	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.528	0.144	1
Perfluorononanoic Acid (PFNA)	0.122	J	ng/g	0.264	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.906		ng/g	0.264	0.137	1
Perfluorodecanoic Acid (PFDA)	0.082	J	ng/g	0.264	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.528	0.303	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.528	0.213	1
Perfluoroundecanoic Acid (PFUnA)	0.056	J	ng/g	0.528	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.528	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.528	0.103	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.528	0.074	1
PFOA/PFOS, Total	1.01	J	ng/g	0.264	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 Date Collected: 08/24/21 12:50

Client ID: EP18_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**41**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**42**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**42**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**57**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	45		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**45**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**48**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	33		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**14**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**40**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**9**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**30**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 RE
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/29/21 17:43
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/29/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.14	0.362	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.14	0.876	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.14	0.231	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	37		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	36		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 D
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/27/21 18:02
Analyst: JG
Percent Solids: 86%

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	580	110	5
Phenanthrene	10000		ug/kg	580	120	5
Pyrene	11000		ug/kg	580	95.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-04
Client ID: PFB06_082421
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 14:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:55
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.281	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.454	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.882	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.724	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.335	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.212	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-04 Date Collected: 08/24/21 14:20

Client ID: PFB06_082421 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	141		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/21 12:00
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1539195-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/21 12:00
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1539195-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/21 12:00
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/21 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1539195-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	68		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 05:15
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1539386-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 05:15
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1539386-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 19:43
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1539386-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**122**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:06
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1539834-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:06
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1539834-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/29/21 16:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1540362-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/29/21 16:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1540362-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	77		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/21 14:53
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/21 08:59

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1540362-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**143**	Q	10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1539195-2 WG1539195-3								
Acenaphthene	67		75		31-137	11		50
1,2,4-Trichlorobenzene	65		71		38-107	9		50
Hexachlorobenzene	71		80		40-140	12		50
Bis(2-chloroethyl)ether	67		73		40-140	9		50
2-Chloronaphthalene	68		79		40-140	15		50
1,2-Dichlorobenzene	66		71		40-140	7		50
1,3-Dichlorobenzene	64		71		40-140	10		50
1,4-Dichlorobenzene	63		70		28-104	11		50
3,3'-Dichlorobenzidine	60		70		40-140	15		50
2,4-Dinitrotoluene	74		81		40-132	9		50
2,6-Dinitrotoluene	79		88		40-140	11		50
Fluoranthene	73		83		40-140	13		50
4-Chlorophenyl phenyl ether	71		78		40-140	9		50
4-Bromophenyl phenyl ether	72		81		40-140	12		50
Bis(2-chloroisopropyl)ether	116		126		40-140	8		50
Bis(2-chloroethoxy)methane	68		73		40-117	7		50
Hexachlorobutadiene	72		82		40-140	13		50
Hexachlorocyclopentadiene	58		69		40-140	17		50
Hexachloroethane	72		80		40-140	11		50
Isophorone	70		75		40-140	7		50
Naphthalene	68		79		40-140	15		50
Nitrobenzene	80		89		40-140	11		50
NDPA/DPA	74		82		36-157	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1539195-2 WG1539195-3								
n-Nitrosodi-n-propylamine	75		81		32-121	8		50
Bis(2-ethylhexyl)phthalate	92		103		40-140	11		50
Butyl benzyl phthalate	80		90		40-140	12		50
Di-n-butylphthalate	81		89		40-140	9		50
Di-n-octylphthalate	90		104		40-140	14		50
Diethyl phthalate	76		85		40-140	11		50
Dimethyl phthalate	68		78		40-140	14		50
Benzo(a)anthracene	75		85		40-140	13		50
Benzo(a)pyrene	79		90		40-140	13		50
Benzo(b)fluoranthene	79		89		40-140	12		50
Benzo(k)fluoranthene	72		83		40-140	14		50
Chrysene	71		82		40-140	14		50
Acenaphthylene	71		81		40-140	13		50
Anthracene	70		77		40-140	10		50
Benzo(ghi)perylene	74		84		40-140	13		50
Fluorene	73		82		40-140	12		50
Phenanthrene	70		78		40-140	11		50
Dibenzo(a,h)anthracene	70		80		40-140	13		50
Indeno(1,2,3-cd)pyrene	71		81		40-140	13		50
Pyrene	72		80		35-142	11		50
Biphenyl	65		74		37-127	13		50
4-Chloroaniline	87		101		40-140	15		50
2-Nitroaniline	80		91		47-134	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1539195-2 WG1539195-3								
3-Nitroaniline	69		81		26-129	16		50
4-Nitroaniline	72		79		41-125	9		50
Dibenzofuran	73		83		40-140	13		50
2-Methylnaphthalene	65		77		40-140	17		50
1,2,4,5-Tetrachlorobenzene	67		77		40-117	14		50
Acetophenone	64		69		14-144	8		50
2,4,6-Trichlorophenol	79		90		30-130	13		50
p-Chloro-m-cresol	82		95		26-103	15		50
2-Chlorophenol	73		80		25-102	9		50
2,4-Dichlorophenol	74		81		30-130	9		50
2,4-Dimethylphenol	75		81		30-130	8		50
2-Nitrophenol	80		87		30-130	8		50
4-Nitrophenol	107		**118**	Q	11-114	10		50
2,4-Dinitrophenol	88		98		4-130	11		50
4,6-Dinitro-o-cresol	84		94		10-130	11		50
Pentachlorophenol	68		76		17-109	11		50
Phenol	69		74		26-90	7		50
2-Methylphenol	76		80		30-130.	5		50
3-Methylphenol/4-Methylphenol	81		89		30-130	9		50
2,4,5-Trichlorophenol	78		92		30-130	16		50
Benzoic Acid	64		78		10-110	20		50
Benzyl Alcohol	78		87		40-140	11		50
Carbazole	72		81		54-128	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1539195-2 WG1539195-3								
1,4-Dioxane	47		51		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		80		25-120
Phenol-d6	68		75		10-120
Nitrobenzene-d5	75		84		23-120
2-Fluorobiphenyl	64		73		30-120
2,4,6-Tribromophenol	72		81		10-136
4-Terphenyl-d14	63		71		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1539386-2					
Perfluorobutanoic Acid (PFBA)	122		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	121		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	119		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	124		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	120		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	124		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	131		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	121		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	122		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	126		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	126		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**143**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	130		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	122		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	126		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	121		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	122		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	135		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	122		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1539386-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1539386-2								
Perfluorooctanesulfonamide (FOSA)	134		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**122**	Q			10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1539834-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	93		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	95		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	109		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1539834-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1540362-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	91		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	97		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	103		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	92		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	103		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	97		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	91		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	97		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	91		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	95		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1540362-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1540362-2								
Perfluorooctanesulfonamide (FOSA)	117		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**142**	Q			10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539386-3 QC Sample: L2145462-01 Client ID: EP06_2												
Perfluorobutanoic Acid (PFBA)	0.093J	5.84	7.13	121		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	0.116J	5.84	7.16	121		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.18	6.15	119		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.126J	5.84	7.27	122		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	0.086J	5.84	7.21	122		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.33	6.60	124		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.867	5.84	7.88	120		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.56	7.34	132		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.56	7.00	126		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	0.564	5.84	7.66	122		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	1.89	5.42	8.28	118		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	0.442	5.84	7.70	124		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.6	7.64	136		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.84	7.53	129		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	0.054J	5.84	7.23	123		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.63	6.91	123		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.84	6.77	116		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.84	7.15	123		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.84	8.25	**141**	Q	-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.84	6.90	118		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539386-3 QC Sample: L2145462-01 Client ID: EP06_2												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83				58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				74-139

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	38.5	36.8	96		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	38.5	36.2	94		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	34.2	32.9	96		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36	35.3	98		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38.5	36.8	96		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36.2	35.8	99		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38.5	36.1	94		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.2	33.0	94		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	38.5	37.9	98		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.7	39.5	108		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.7	36.0	98		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38.5	36.7	95		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.8	37.5	105		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.5	36.9	96		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37	37.0	100		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	37.1	36.1	97		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.5	36.3	94		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.5	35.8	93		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.1	37.0	100		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.5	35.1	91		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.5	35.7	93		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.5	37.3	97		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.5	41.9	109		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.5	36.9	96		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	139				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	110				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1540362-3 WG1540362-4 QC Sample: L2145706-14 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.065J	5.49	5.32	96		5.59	97		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	0.118J	5.49	5.33	95		5.56	95		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	0.067J	4.87	4.80	97		4.91	95		72-128	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.13	5.51	107		5.31	99		62-145	4		30
Perfluorohexanoic Acid (PFHxA)	0.158J	5.49	5.36	95		5.72	97		70-132	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.16	5.22	101		5.38	100		73-123	3		30
Perfluoroheptanoic Acid (PFHpA)	0.152J	5.49	5.35	95		5.59	95		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.01	4.90	98		5.08	97		67-130	4		30
Perfluorooctanoic Acid (PFOA)	1.44	5.49	7.04	102		7.32	103		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.22	5.55	106		5.79	106		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.22	5.01	96		5.21	96		70-132	4		30
Perfluorononanoic Acid (PFNA)	0.286	5.49	5.56	96		6.03	100		72-129	8		30
Perfluorooctanesulfonic Acid (PFOS)	0.660	5.09	5.86	102		6.19	104		68-136	5		30
Perfluorodecanoic Acid (PFDA)	ND	5.49	5.25	96		5.71	100		69-133	8		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.27	5.83	111		5.85	106		65-137	0		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.28	5.05	96		5.60	102		69-125	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.49	5.31	97		5.78	101		63-144	8		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.49	5.37	98		5.80	101		64-136	8		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.29	5.24	99		5.56	101		59-134	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.49	5.83	106		5.20	91		61-139	11		30
Perfluorododecanoic Acid (PFDoA)	ND	5.49	5.42	99		5.67	99		69-135	5		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.49	6.54	119		6.69	117		66-139	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1540362-3 WG1540362-4 QC Sample: L2145706-14 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.49	5.51	100		5.86	102		69-133	6		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		134		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	109		112		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		121		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		97		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		86		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		110		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		101		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		99		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		101		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		104		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		86		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		87		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		106		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		96		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		93		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		101		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1540362-3 WG1540362-4 QC Sample: L2145706-14 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.49	6.52	119		7.04	123		67-137	8		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	112		108		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539386-4 QC Sample: L2145462-02 Client ID: EP12_2						
Perfluorobutanoic Acid (PFBA)	0.031J	0.029J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	0.048J	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	0.066J	0.065J	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.132J	0.139J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	0.128J	0.130J	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.53	1.47	ng/g	4		30
Perfluorodecanoic Acid (PFDA)	0.154J	0.170J	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	0.057J	0.055J	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539386-4 QC Sample: L2145462-02 Client ID: EP12_2

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		82		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		71		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		86		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		45		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		49		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	4.75	4.44	ng/l	7		30
Perfluoropentanoic Acid (PFPeA)	4.33	4.14	ng/l	4		30
Perfluorobutanesulfonic Acid (PFBS)	5.06	4.77	ng/l	6		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	4.78	4.71	ng/l	1		30
Perfluoropentanesulfonic Acid (PFPeS)	0.238J	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	5.15	4.90	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	1.74J	1.83J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	28.1	27.1	ng/l	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.32J	1.30J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	17.0	17.6	ng/l	3		30
Perfluorodecanoic Acid (PFDA)	1.66J	1.54J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		67		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		64		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		99		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**155**	Q	**143**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		64		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		66		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		65		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		63		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		100		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		64		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		114		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		50		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		72		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		46		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		69		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		57		22-136

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/21 09:46
Analyst: CW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 16:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.42	1	A
Aroclor 1221	ND		ug/kg	38.5	3.86	1	A
Aroclor 1232	ND		ug/kg	38.5	8.17	1	A
Aroclor 1242	ND		ug/kg	38.5	5.19	1	A
Aroclor 1248	ND		ug/kg	38.5	5.78	1	A
Aroclor 1254	ND		ug/kg	38.5	4.22	1	A
Aroclor 1260	9.44	J	ug/kg	38.5	7.12	1	A
Aroclor 1262	ND		ug/kg	38.5	4.89	1	A
Aroclor 1268	ND		ug/kg	38.5	3.99	1	A
PCBs, Total	9.44	J	ug/kg	38.5	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/21 09:53
Analyst: CW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 16:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.30	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.87	1	A
Aroclor 1242	ND		ug/kg	37.1	5.01	1	A
Aroclor 1248	ND		ug/kg	37.1	5.57	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	10.4	J	ug/kg	37.1	6.86	1	A
Aroclor 1262	ND		ug/kg	37.1	4.72	1	A
Aroclor 1268	ND		ug/kg	37.1	3.85	1	A
PCBs, Total	10.4	J	ug/kg	37.1	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/21 10:00
Analyst: CW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 16:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.93	1	A
Aroclor 1242	ND		ug/kg	37.4	5.04	1	A
Aroclor 1248	ND		ug/kg	37.4	5.61	1	A
Aroclor 1254	ND		ug/kg	37.4	4.09	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	A
Aroclor 1262	ND		ug/kg	37.4	4.75	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/26/21 09:25
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 08/25/21 16:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1539133-1						
Aroclor 1016	ND		ug/kg	33.1	2.94	A
Aroclor 1221	ND		ug/kg	33.1	3.32	A
Aroclor 1232	ND		ug/kg	33.1	7.02	A
Aroclor 1242	ND		ug/kg	33.1	4.46	A
Aroclor 1248	ND		ug/kg	33.1	4.97	A
Aroclor 1254	ND		ug/kg	33.1	3.62	A
Aroclor 1260	ND		ug/kg	33.1	6.12	A
Aroclor 1262	ND		ug/kg	33.1	4.20	A
Aroclor 1268	ND		ug/kg	33.1	3.43	A
PCBs, Total	ND		ug/kg	33.1	2.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1539133-2 WG1539133-3									
Aroclor 1016	73		76		40-140	4		50	A
Aroclor 1260	76		79		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	A
Decachlorobiphenyl	73		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	B
Decachlorobiphenyl	60		63		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/27/21 12:20
Analyst: SDC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 20:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.345	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.925	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.810	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	23.8		ug/kg	1.85	0.428	1	B
4,4'-DDD	1.57	J	ug/kg	1.85	0.660	1	B
4,4'-DDT	15.8		ug/kg	3.47	1.49	1	B
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.72	1	A
cis-Chlordane	1.95	JIP	ug/kg	2.31	0.645	1	B
trans-Chlordane	1.88	JIP	ug/kg	2.31	0.611	1	B
Chlordane	ND		ug/kg	15.4	6.13	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01 Date Collected: 08/24/21 12:10

Client ID: EP06_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/21 11:17
Analyst: SDC
Percent Solids: 84%
Methylation Date: 08/26/21 21:49

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/27/21 12:09
Analyst: SDC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 20:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.740	0.331	1	A
Alpha-BHC	ND		ug/kg	0.740	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.673	1	A
Heptachlor	ND		ug/kg	0.888	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.625	1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.999	1	A
Endrin	ND		ug/kg	0.740	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.777	1	A
Endrin ketone	ND		ug/kg	1.78	0.457	1	A
Dieldrin	ND		ug/kg	1.11	0.555	1	A
4,4'-DDE	6.18		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.633	1	A
4,4'-DDT	7.52		ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.593	1	A
Endosulfan sulfate	ND		ug/kg	0.740	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.32	1	A
cis-Chlordane	1.65	J	ug/kg	2.22	0.619	1	A
trans-Chlordane	1.07	JIP	ug/kg	2.22	0.586	1	B
Chlordane	ND		ug/kg	14.8	5.88	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02 Date Collected: 08/24/21 12:20

Client ID: EP12_2 Date Received: 08/24/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/21 12:12
Analyst: SDC
Percent Solids: 87%
Methylation Date: 08/26/21 21:49

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.9	1	A
2,4,5-T	ND		ug/kg	188	5.84	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	79		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/28/21 09:40
Analyst: AR
Percent Solids: 86%
Methylation Date: 08/27/21 21:19

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.02	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 D
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/27/21 11:58
Analyst: SDC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/21 20:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.11	1.78	5	A
Lindane	ND		ug/kg	3.80	1.70	5	A
Alpha-BHC	ND		ug/kg	3.80	1.08	5	A
Beta-BHC	ND		ug/kg	9.11	3.45	5	A
Heptachlor	ND		ug/kg	4.56	2.04	5	A
Aldrin	ND		ug/kg	9.11	3.21	5	A
Heptachlor epoxide	ND		ug/kg	17.1	5.12	5	A
Endrin	ND		ug/kg	3.80	1.56	5	A
Endrin aldehyde	ND		ug/kg	11.4	3.98	5	A
Endrin ketone	ND		ug/kg	9.11	2.34	5	A
Dieldrin	ND		ug/kg	5.69	2.85	5	A
4,4'-DDE	ND		ug/kg	9.11	2.11	5	A
4,4'-DDD	ND		ug/kg	9.11	3.25	5	A
4,4'-DDT	ND		ug/kg	17.1	7.33	5	A
Endosulfan I	ND		ug/kg	9.11	2.15	5	A
Endosulfan II	ND		ug/kg	9.11	3.04	5	A
Endosulfan sulfate	ND		ug/kg	3.80	1.81	5	A
Methoxychlor	ND		ug/kg	17.1	5.31	5	A
Toxaphene	ND		ug/kg	171	47.8	5	A
cis-Chlordane	ND		ug/kg	11.4	3.17	5	A
trans-Chlordane	ND		ug/kg	11.4	3.01	5	A
Chlordane	ND		ug/kg	75.9	30.2	5	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145462

Project Number: 170229024 **Report Date:** 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03 D
Client ID: EP18_2
Sample Location: BROOKLYN, NY

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	**158**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/21 15:27
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/25/21 20:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1539218-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.650	0.291	A
Alpha-BHC	ND		ug/kg	0.650	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.878	A
Endrin	ND		ug/kg	0.650	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.975	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
Toxaphene	ND		ug/kg	29.2	8.19	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	13.0	5.17	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/21 15:27
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/25/21 20:03
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1539218-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/27/21 08:50
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 08/26/21 10:41

Methylation Date: 08/26/21 21:49

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1539457-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1539218-2 WG1539218-3									
Delta-BHC	98		92		30-150	6		30	A
Lindane	94		91		30-150	3		30	A
Alpha-BHC	85		82		30-150	4		30	A
Beta-BHC	94		93		30-150	1		30	A
Heptachlor	100		95		30-150	5		30	A
Aldrin	94		87		30-150	8		30	A
Heptachlor epoxide	76		76		30-150	0		30	A
Endrin	101		96		30-150	5		30	A
Endrin aldehyde	58		56		30-150	4		30	A
Endrin ketone	82		81		30-150	1		30	A
Dieldrin	103		98		30-150	5		30	A
4,4'-DDE	91		86		30-150	6		30	A
4,4'-DDD	107		100		30-150	7		30	A
4,4'-DDT	103		92		30-150	11		30	A
Endosulfan I	90		84		30-150	7		30	A
Endosulfan II	100		93		30-150	7		30	A
Endosulfan sulfate	70		70		30-150	0		30	A
Methoxychlor	80		84		30-150	5		30	A
cis-Chlordane	73		70		30-150	4		30	A
trans-Chlordane	109		104		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1539218-2 WG1539218-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		93		30-150	A
Decachlorobiphenyl	94		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		85		30-150	B
Decachlorobiphenyl	88		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1539457-2 WG1539457-3									
2,4-D	60		62		30-150	3		30	A
2,4,5-T	58		59		30-150	2		30	A
2,4,5-TP (Silvex)	55		57		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	62		63		30-150	A
DCAA	63		64		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY
Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4670		mg/kg	9.25	2.50	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.62	0.351	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Arsenic, Total	9.30		mg/kg	0.925	0.192	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Barium, Total	1360		mg/kg	0.925	0.161	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Beryllium, Total	1.08		mg/kg	0.462	0.031	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Cadmium, Total	0.694	J	mg/kg	0.925	0.091	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Calcium, Total	35200		mg/kg	9.25	3.24	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Chromium, Total	26.4		mg/kg	0.925	0.089	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Cobalt, Total	8.29		mg/kg	1.85	0.154	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Copper, Total	96.4		mg/kg	0.925	0.239	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Iron, Total	13400		mg/kg	4.62	0.835	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Lead, Total	3750		mg/kg	4.62	0.248	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Magnesium, Total	4980		mg/kg	9.25	1.42	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Manganese, Total	174		mg/kg	0.925	0.147	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Mercury, Total	0.244		mg/kg	0.075	0.049	1	08/26/21 09:00	08/27/21 15:55	EPA 7471B	1,7471B	NB
Nickel, Total	16.7		mg/kg	2.31	0.224	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Potassium, Total	1830		mg/kg	231	13.3	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Selenium, Total	0.379	J	mg/kg	1.85	0.239	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.925	0.262	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Sodium, Total	193		mg/kg	185	2.91	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.85	0.291	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Vanadium, Total	26.8		mg/kg	0.925	0.188	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
Zinc, Total	1220		mg/kg	4.62	0.271	2	08/26/21 06:40	08/30/21 19:08	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26		mg/kg	0.95	0.95	1		08/30/21 19:08	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY
Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4840		mg/kg	8.60	2.32	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.30	0.327	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Arsenic, Total	14.5		mg/kg	0.860	0.179	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Barium, Total	237		mg/kg	0.860	0.150	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Beryllium, Total	2.98		mg/kg	0.430	0.028	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.860	0.084	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Calcium, Total	42000		mg/kg	8.60	3.01	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Chromium, Total	31.9		mg/kg	0.860	0.083	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Cobalt, Total	16.6		mg/kg	1.72	0.143	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Copper, Total	204		mg/kg	0.860	0.222	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Iron, Total	24600		mg/kg	4.30	0.776	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Lead, Total	639		mg/kg	4.30	0.230	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Magnesium, Total	18800		mg/kg	8.60	1.32	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Manganese, Total	222		mg/kg	0.860	0.137	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Mercury, Total	0.299		mg/kg	0.073	0.048	1	08/26/21 09:00	08/27/21 17:11	EPA 7471B	1,7471B	NB
Nickel, Total	30.0		mg/kg	2.15	0.208	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Potassium, Total	1250		mg/kg	215	12.4	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Selenium, Total	0.740	J	mg/kg	1.72	0.222	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.860	0.243	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Sodium, Total	241		mg/kg	172	2.71	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Vanadium, Total	24.7		mg/kg	0.860	0.174	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
Zinc, Total	1550		mg/kg	4.30	0.252	2	08/26/21 06:40	08/30/21 19:12	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	32		mg/kg	0.92	0.92	1		08/30/21 19:12	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2145462
Project Number: 170229024
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY
Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3980		mg/kg	8.95	2.42	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Antimony, Total	1.10	J	mg/kg	4.47	0.340	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Arsenic, Total	12.8		mg/kg	0.895	0.186	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Barium, Total	108		mg/kg	0.895	0.156	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Beryllium, Total	0.349	J	mg/kg	0.447	0.030	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Cadmium, Total	0.286	J	mg/kg	0.895	0.088	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Calcium, Total	33100		mg/kg	8.95	3.13	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Chromium, Total	9.97		mg/kg	0.895	0.086	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Cobalt, Total	7.16		mg/kg	1.79	0.148	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Copper, Total	136		mg/kg	0.895	0.231	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Iron, Total	15600		mg/kg	4.47	0.808	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Lead, Total	307		mg/kg	4.47	0.240	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Magnesium, Total	16000		mg/kg	8.95	1.38	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Manganese, Total	378		mg/kg	0.895	0.142	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Mercury, Total	0.790		mg/kg	0.073	0.048	1	08/26/21 09:00	08/27/21 17:14	EPA 7471B	1,7471B	NB
Nickel, Total	15.6		mg/kg	2.24	0.216	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Potassium, Total	485		mg/kg	224	12.9	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.79	0.231	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.895	0.253	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Sodium, Total	86.2	J	mg/kg	179	2.82	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.79	0.282	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Vanadium, Total	37.9		mg/kg	0.895	0.182	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
Zinc, Total	288		mg/kg	4.47	0.262	2	08/26/21 06:40	08/30/21 19:17	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.93	0.93	1		08/30/21 19:17	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1539301-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Iron, Total	0.648	J	mg/kg	2.00	0.361	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/26/21 06:40	08/30/21 16:43	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1539312-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/26/21 09:00	08/27/21 15:48	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1539301-2 SRM Lot Number: D109-540								
Aluminum, Total	69		-		50-150	-		
Antimony, Total	92		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	98		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Calcium, Total	95		-		73-128	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	103		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	76		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	89		-		62-138	-		
Manganese, Total	94		-		74-126	-		
Nickel, Total	101		-		70-130	-		
Potassium, Total	91		-		59-141	-		
Selenium, Total	100		-		68-132	-		
Silver, Total	128		-		68-131	-		
Sodium, Total	95		-		35-165	-		
Thallium, Total	101		-		68-131	-		
Vanadium, Total	89		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1539301-2 SRM Lot Number: D109-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1539312-2 SRM Lot Number: D109-540					
Mercury, Total	89	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539301-3 QC Sample: L2145605-01 Client ID: MS Sample												
Aluminum, Total	7700	198	8840	**575**	Q	-	-		75-125	-		20
Antimony, Total	ND	49.5	20.6	**42**	Q	-	-		75-125	-		20
Arsenic, Total	8.39	11.9	19.0	89		-	-		75-125	-		20
Barium, Total	78.2	198	236	80		-	-		75-125	-		20
Beryllium, Total	0.514	4.95	4.29	76		-	-		75-125	-		20
Cadmium, Total	9.69	5.25	16.9	**137**	Q	-	-		75-125	-		20
Calcium, Total	27700	991	32800	**515**	Q	-	-		75-125	-		20
Chromium, Total	63.4	19.8	72.7	**47**	Q	-	-		75-125	-		20
Cobalt, Total	8.38	49.5	41.7	**67**	Q	-	-		75-125	-		20
Copper, Total	35.1	24.8	57.0	88		-	-		75-125	-		20
Iron, Total	16500	99.1	17500	**1010**	Q	-	-		75-125	-		20
Lead, Total	28.4	52.5	64.8	**69**	Q	-	-		75-125	-		20
Magnesium, Total	14000	991	17300	**333**	Q	-	-		75-125	-		20
Manganese, Total	15300	49.5	15000	**0**	Q	-	-		75-125	-		20
Nickel, Total	68.5	49.5	95.7	**55**	Q	-	-		75-125	-		20
Potassium, Total	12700	991	13600	91		-	-		75-125	-		20
Selenium, Total	ND	11.9	5.56	**47**	Q	-	-		75-125	-		20
Silver, Total	0.957	29.7	26.6	86		-	-		75-125	-		20
Sodium, Total	223	991	1110	90		-	-		75-125	-		20
Thallium, Total	3.49	11.9	11.3	**66**	Q	-	-		75-125	-		20
Zinc, Total	231	49.5	186	**0**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539312-3 QC Sample: L2145462-01 Client ID: EP06_2										
Mercury, Total	0.244	0.151	0.478	**155**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539301-4 QC Sample: L2145605-01 Client ID: DUP Sample						
Chromium, Total	63.4	61.9	mg/kg	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539312-4 QC Sample: L2145462-01 Client ID: EP06_2						
Mercury, Total	0.244	0.246	mg/kg	1		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1539301-6 QC Sample: L2145605-01 Client ID: DUP Sample						
Chromium, Total	63.4	78.0	mg/kg	**23**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-01
Client ID: EP06_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/24/21 12:10
Date Received: 08/24/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/25/21 11:03	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.950	0.190	1	08/27/21 18:06	08/30/21 13:38	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-02
Client ID: EP12_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/24/21 12:20
Date Received: 08/24/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	08/25/21 11:03	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.916	0.183	1	08/27/21 18:06	08/30/21 13:39	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

SAMPLE RESULTS

Lab ID: L2145462-03
Client ID: EP18_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/24/21 12:50
Date Received: 08/24/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	08/25/21 11:03	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.933	0.187	1	08/27/21 18:06	08/30/21 13:39	1,7196A	PB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1540079-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/27/21 18:06	08/30/21 13:34	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145462

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1540079-2								
Chromium, Hexavalent	84		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1540079-4 QC Sample: L2145462-01 Client ID: EP06_2												
Chromium, Hexavalent	ND	1000	847	85		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1538966-1 QC Sample: L2145408-01 Client ID: DUP Sample						
Solids, Total	85.3	87.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1540079-6 QC Sample: L2145462-01 Client ID: EP06_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145462-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2145462-01B	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-01C	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-01D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-01D1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2145462-01F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-01G	Plastic 8oz unpreserved	A	NA		5.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145462-01H	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-02A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2145462-02B	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-02C	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-02D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-02D1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2145462-02F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-02G	Plastic 8oz unpreserved	A	NA		5.5	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145462
Report Date: 09/02/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145462-02H	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-03A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2145462-03B	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-03C	Vial water preserved	A	NA		5.5	Y	Absent	25-AUG-21 10:01	NYTCL-8260HLW(14)
L2145462-03D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-03D1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2145462-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2145462-03F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-03G	Plastic 8oz unpreserved	A	NA		5.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145462-03H	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145462-04A	Plastic 250ml unpreserved	A	NA		5.5	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145462
Report Date: 09/02/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145462
Project Number:	170229024	**Report Date:**	09/02/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/25/21

ALPHA Job #: L2145462

Client Information

Client: Langan DPC
Address: 360 W 31th Street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: whim@langan.com

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn NY
Project # 170 229 024
(Use Project name as Project #) ☐
Project Manager: WOO Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metal/1st H2O trace	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
45462-01	EP06_2	8/24/2021	1210	soil	YMD	x	x	x	x	x	x	x			
-02	EP12_2	↓	1220	soil	↓	x	x	x	x	x	x	x			
-03	EP18_2	↓	1250	soil	↓	x	x	x	x	x	x	x			
-04	FB06_082421	↓	1420	AQ	↓						x				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/24/2021 1420	[signature]	8/24/21 16:20
[signature]	8/24/21 23:45	[signature] AAC	8/24/21 21:00
[signature] AAC	8/25/21 00:40	[signature]	8/25/21 00:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2145663
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/03/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2145663-01	EP11_2	SOIL	BROOKLYN, NY	08/25/21 10:00	08/25/21
L2145663-02	EP17_2	SOIL	BROOKLYN, NY	08/25/21 10:10	08/25/21
L2145663-03	PFB07_082521	WATER	BROOKLYN, NY	08/25/21 14:20	08/25/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
Project Number:	170229024	**Report Date:**	09/03/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
Project Number:	170229024	**Report Date:**	09/03/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1541726-5 Method Blank, associated with L2145663-01 and -02, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Semivolatile Organics

L2145663-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Perfluorinated Alkyl Acids by Isotope Dilution

L2145663-02 and -02 MeOH fraction: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2145663-02: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
WG1539835-1 and WG1539835-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

L2145663-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

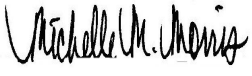
The WG1540925-2 LCS recovery for chromium, hexavalent (73%), associated with L2145663-01 and -02, is

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
Project Number:	170229024	**Report Date:**	09/03/21

Case Narrative (continued)

outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 09/03/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/21 21:39
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.84	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.84	0.46	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.78	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 Date Collected: 08/25/21 10:00

Client ID: EP11_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.84	0.24	1
Xylenes, Total	ND		ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	0.11	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	ND		ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	ND		ug/kg	8.4	1.9	1
Vinyl acetate	ND		ug/kg	8.4	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.4	0.99	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.84	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.84	0.14	1
sec-Butylbenzene	ND		ug/kg	0.84	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.84	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.09	1
Naphthalene	ND		ug/kg	3.4	0.54	1
Acrylonitrile	ND		ug/kg	3.4	0.96	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 Date Collected: 08/25/21 10:00

Client ID: EP11_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.84	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	67	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	101		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY
Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/21 22:19
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02 Date Collected: 08/25/21 10:10

Client ID: EP17_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02 Date Collected: 08/25/21 10:10

Client ID: EP17_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	101		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/21 21:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1541726-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	3.8		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/21 21:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1541726-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/21 21:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1541726-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1541726-3 WG1541726-4								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	96		96		70-130	0		30
Chloroform	91		91		70-130	0		30
Carbon tetrachloride	97		100		70-130	3		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	88		89		70-130	1		30
1,1,2-Trichloroethane	84		82		70-130	2		30
Tetrachloroethene	88		87		70-130	1		30
Chlorobenzene	82		82		70-130	0		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	97		98		70-130	1		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	103		102		70-130	1		30
1,1-Dichloropropene	94		94		70-130	0		30
Bromoform	84		86		70-130	2		30
1,1,2,2-Tetrachloroethane	78		78		70-130	0		30
Benzene	95		94		70-130	1		30
Toluene	81		81		70-130	0		30
Ethylbenzene	85		85		70-130	0		30
Chloromethane	68		67		52-130	1		30
Bromomethane	94		103		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1541726-3 WG1541726-4								
Vinyl chloride	83		82		67-130	1		30
Chloroethane	83		84		50-151	1		30
1,1-Dichloroethene	91		90		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	95		95		70-130	0		30
1,2-Dichlorobenzene	79		79		70-130	0		30
1,3-Dichlorobenzene	79		79		70-130	0		30
1,4-Dichlorobenzene	79		79		70-130	0		30
Methyl tert butyl ether	109		108		66-130	1		30
p/m-Xylene	84		84		70-130	0		30
o-Xylene	84		85		70-130	1		30
cis-1,2-Dichloroethene	94		93		70-130	1		30
Dibromomethane	91		91		70-130	0		30
Styrene	85		86		70-130	1		30
Dichlorodifluoromethane	46		45		30-146	2		30
Acetone	87		74		54-140	16		30
Carbon disulfide	83		83		59-130	0		30
2-Butanone	83		77		70-130	8		30
Vinyl acetate	78		78		70-130	0		30
4-Methyl-2-pentanone	91		85		70-130	7		30
1,2,3-Trichloropropane	76		76		68-130	0		30
2-Hexanone	75		71		70-130	5		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1541726-3 WG1541726-4								
2,2-Dichloropropane	104		106		70-130	2		30
1,2-Dibromoethane	86		84		70-130	2		30
1,3-Dichloropropane	85		84		69-130	1		30
1,1,1,2-Tetrachloroethane	91		92		70-130	1		30
Bromobenzene	76		77		70-130	1		30
n-Butylbenzene	79		79		70-130	0		30
sec-Butylbenzene	81		82		70-130	1		30
tert-Butylbenzene	81		82		70-130	1		30
o-Chlorotoluene	77		78		70-130	1		30
p-Chlorotoluene	78		79		70-130	1		30
1,2-Dibromo-3-chloropropane	85		84		68-130	1		30
Hexachlorobutadiene	90		93		67-130	3		30
Isopropylbenzene	80		80		70-130	0		30
p-Isopropyltoluene	82		82		70-130	0		30
Naphthalene	80		81		70-130	1		30
Acrylonitrile	98		96		70-130	2		30
n-Propylbenzene	79		79		70-130	0		30
1,2,3-Trichlorobenzene	85		86		70-130	1		30
1,2,4-Trichlorobenzene	86		87		70-130	1		30
1,3,5-Trimethylbenzene	80		81		70-130	1		30
1,2,4-Trimethylbenzene	81		82		70-130	1		30
1,4-Dioxane	88		86		65-136	2		30
p-Diethylbenzene	81		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1541726-3 WG1541726-4								
p-Ethyltoluene	80		80		70-130	0		30
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		30
Ethyl ether	102		101		67-130	1		30
trans-1,4-Dichloro-2-butene	82		79		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 12:07
Analyst: MP
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.560	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.560	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.280	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.560	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.280	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.280	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.280	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.560	0.201	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.560	0.153	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.280	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	0.559		ng/g	0.280	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.280	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.560	0.322	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.560	0.226	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.560	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.560	0.171	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.560	0.110	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.560	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.560	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.560	0.229	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.560	0.061	1
PFOA/PFOS, Total	0.559		ng/g	0.280	0.047	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 Date Collected: 08/25/21 10:00

Client ID: EP11_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 D
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 13:04
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/29/21 10:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340	J	ug/kg	770	99.	5
1,2,4-Trichlorobenzene	ND		ug/kg	960	110	5
Hexachlorobenzene	ND		ug/kg	570	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	130	5
2-Chloronaphthalene	ND		ug/kg	960	95.	5
1,2-Dichlorobenzene	ND		ug/kg	960	170	5
1,3-Dichlorobenzene	ND		ug/kg	960	160	5
1,4-Dichlorobenzene	ND		ug/kg	960	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	960	250	5
2,4-Dinitrotoluene	ND		ug/kg	960	190	5
2,6-Dinitrotoluene	ND		ug/kg	960	160	5
Fluoranthene	6800		ug/kg	570	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	960	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	960	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	96.	5
Hexachlorobutadiene	ND		ug/kg	960	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	870	5
Hexachloroethane	ND		ug/kg	770	160	5
Isophorone	ND		ug/kg	860	120	5
Naphthalene	440	J	ug/kg	960	120	5
Nitrobenzene	ND		ug/kg	860	140	5
NDPA/DPA	ND		ug/kg	770	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	960	150	5
Bis(2-ethylhexyl)phthalate	470	J	ug/kg	960	330	5
Butyl benzyl phthalate	ND		ug/kg	960	240	5
Di-n-butylphthalate	ND		ug/kg	960	180	5
Di-n-octylphthalate	ND		ug/kg	960	320	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 D Date Collected: 08/25/21 10:00
Client ID: EP11_2 Date Received: 08/25/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	960	89.	5
Dimethyl phthalate	ND		ug/kg	960	200	5
Benzo(a)anthracene	3500		ug/kg	570	110	5
Benzo(a)pyrene	3300		ug/kg	770	230	5
Benzo(b)fluoranthene	4200		ug/kg	570	160	5
Benzo(k)fluoranthene	1400		ug/kg	570	150	5
Chrysene	3200		ug/kg	570	100	5
Acenaphthylene	180	J	ug/kg	770	150	5
Anthracene	1100		ug/kg	570	190	5
Benzo(ghi)perylene	2200		ug/kg	770	110	5
Fluorene	340	J	ug/kg	960	93.	5
Phenanthrene	5400		ug/kg	570	120	5
Dibenzo(a,h)anthracene	490	J	ug/kg	570	110	5
Indeno(1,2,3-cd)pyrene	2300		ug/kg	770	130	5
Pyrene	6000		ug/kg	570	95.	5
Biphenyl	ND		ug/kg	2200	220	5
4-Chloroaniline	ND		ug/kg	960	170	5
2-Nitroaniline	ND		ug/kg	960	180	5
3-Nitroaniline	ND		ug/kg	960	180	5
4-Nitroaniline	ND		ug/kg	960	400	5
Dibenzofuran	400	J	ug/kg	960	91.	5
2-Methylnaphthalene	250	J	ug/kg	1100	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	960	100	5
Acetophenone	ND		ug/kg	960	120	5
2,4,6-Trichlorophenol	ND		ug/kg	570	180	5
p-Chloro-m-cresol	ND		ug/kg	960	140	5
2-Chlorophenol	ND		ug/kg	960	110	5
2,4-Dichlorophenol	ND		ug/kg	860	150	5
2,4-Dimethylphenol	ND		ug/kg	960	320	5
2-Nitrophenol	ND		ug/kg	2100	360	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4600	450	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	460	5
Pentachlorophenol	ND		ug/kg	770	210	5
Phenol	ND		ug/kg	960	140	5
2-Methylphenol	ND		ug/kg	960	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 D
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	960	180	5
Benzoic Acid	ND		ug/kg	3100	970	5
Benzyl Alcohol	ND		ug/kg	960	290	5
Carbazole	260	J	ug/kg	960	93.	5
1,4-Dioxane	ND		ug/kg	140	44.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	78		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 13:28
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/29/21 10:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	4200		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	250		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02 Date Collected: 08/25/21 10:10

Client ID: EP17_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2000		ug/kg	110	22.	1
Benzo(a)pyrene	1900		ug/kg	150	47.	1
Benzo(b)fluoranthene	2500		ug/kg	110	32.	1
Benzo(k)fluoranthene	820		ug/kg	110	31.	1
Chrysene	1900		ug/kg	110	20.	1
Acenaphthylene	58	J	ug/kg	150	30.	1
Anthracene	890		ug/kg	110	37.	1
Benzo(ghi)perylene	1300		ug/kg	150	22.	1
Fluorene	320		ug/kg	190	18.	1
Phenanthrene	3100		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	290		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	150	27.	1
Pyrene	3600		ug/kg	110	19.	1
Biphenyl	44	J	ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	220		ug/kg	190	18.	1
2-Methylnaphthalene	130	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	39	J	ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	47	J	ug/kg	280	30.	1

Project Name: 45 COMMERCIAL STREET
Lab Number: L2145663
Project Number: 170229024
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY
Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	270		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	83		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 12:24
Analyst: MP
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.535	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.535	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.535	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.535	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.535	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.535	0.307	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.535	0.215	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.535	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.535	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.535	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.535	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.535	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.535	0.058	1
PFOA/PFOS, Total	ND		ng/g	0.267	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02 Date Collected: 08/25/21 10:10

Client ID: EP17_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	63		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**71**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**72**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**68**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**64**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**68**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	64		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**16**	Q	24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/21 13:55
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.535	0.105	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**126**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-03
Client ID: PFB07_082521
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 14:20
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 20:25
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.341	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.624	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.457	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.276	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.588	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.889	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.526	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.729	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.297	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.214	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-03 Date Collected: 08/25/21 14:20

Client ID: PFB07_082521 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	108		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:06
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1539834-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:06
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1539834-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 10:28
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1539835-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 10:28
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1539835-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/21 13:34
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1539835-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**147**	Q	10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 02:37
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/29/21 10:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1540394-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 02:37
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/29/21 10:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1540394-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 02:37
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/29/21 10:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1540394-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1539834-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	93		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	95		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	109		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1539834-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1539835-2								
Perfluorobutanoic Acid (PFBA)	96		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	96		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	98		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	96		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	95		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	92		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	96		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	99		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1539835-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	55				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1539835-2					
Perfluorooctanesulfonamide (FOSA)	123		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**144**	Q			10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1540394-2 WG1540394-3								
Acenaphthene	78		84		31-137	7		50
1,2,4-Trichlorobenzene	67		74		38-107	10		50
Hexachlorobenzene	75		81		40-140	8		50
Bis(2-chloroethyl)ether	68		75		40-140	10		50
2-Chloronaphthalene	69		73		40-140	6		50
1,2-Dichlorobenzene	64		73		40-140	13		50
1,3-Dichlorobenzene	64		72		40-140	12		50
1,4-Dichlorobenzene	64		72		28-104	12		50
3,3'-Dichlorobenzidine	65		64		40-140	2		50
2,4-Dinitrotoluene	78		84		40-132	7		50
2,6-Dinitrotoluene	83		89		40-140	7		50
Fluoranthene	75		80		40-140	6		50
4-Chlorophenyl phenyl ether	72		77		40-140	7		50
4-Bromophenyl phenyl ether	73		79		40-140	8		50
Bis(2-chloroisopropyl)ether	47		52		40-140	10		50
Bis(2-chloroethoxy)methane	69		74		40-117	7		50
Hexachlorobutadiene	58		65		40-140	11		50
Hexachlorocyclopentadiene	67		73		40-140	9		50
Hexachloroethane	63		72		40-140	13		50
Isophorone	66		71		40-140	7		50
Naphthalene	65		72		40-140	10		50
Nitrobenzene	69		77		40-140	11		50
NDPA/DPA	77		81		36-157	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1540394-2 WG1540394-3								
n-Nitrosodi-n-propylamine	66		71		32-121	7		50
Bis(2-ethylhexyl)phthalate	83		91		40-140	9		50
Butyl benzyl phthalate	87		94		40-140	8		50
Di-n-butylphthalate	80		86		40-140	7		50
Di-n-octylphthalate	86		92		40-140	7		50
Diethyl phthalate	75		79		40-140	5		50
Dimethyl phthalate	73		77		40-140	5		50
Benzo(a)anthracene	75		81		40-140	8		50
Benzo(a)pyrene	76		81		40-140	6		50
Benzo(b)fluoranthene	78		81		40-140	4		50
Benzo(k)fluoranthene	76		85		40-140	11		50
Chrysene	71		77		40-140	8		50
Acenaphthylene	70		74		40-140	6		50
Anthracene	73		81		40-140	10		50
Benzo(ghi)perylene	74		81		40-140	9		50
Fluorene	75		79		40-140	5		50
Phenanthrene	75		79		40-140	5		50
Dibenzo(a,h)anthracene	76		82		40-140	8		50
Indeno(1,2,3-cd)pyrene	74		80		40-140	8		50
Pyrene	74		81		35-142	9		50
Biphenyl	70		75		37-127	7		50
4-Chloroaniline	52		51		40-140	2		50
2-Nitroaniline	85		90		47-134	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1540394-2 WG1540394-3								
3-Nitroaniline	74		76		26-129	3		50
4-Nitroaniline	85		90		41-125	6		50
Dibenzofuran	72		76		40-140	5		50
2-Methylnaphthalene	66		71		40-140	7		50
1,2,4,5-Tetrachlorobenzene	66		71		40-117	7		50
Acetophenone	66		72		14-144	9		50
2,4,6-Trichlorophenol	78		84		30-130	7		50
p-Chloro-m-cresol	74		78		26-103	5		50
2-Chlorophenol	77		84		25-102	9		50
2,4-Dichlorophenol	78		83		30-130	6		50
2,4-Dimethylphenol	74		80		30-130	8		50
2-Nitrophenol	98		108		30-130	10		50
4-Nitrophenol	77		85		11-114	10		50
2,4-Dinitrophenol	90		101		4-130	12		50
4,6-Dinitro-o-cresol	93		100		10-130	7		50
Pentachlorophenol	75		82		17-109	9		50
Phenol	74		79		26-90	7		50
2-Methylphenol	78		84		30-130.	7		50
3-Methylphenol/4-Methylphenol	77		82		30-130	6		50
2,4,5-Trichlorophenol	80		82		30-130	2		50
Benzoic Acid	66		73		10-110	10		50
Benzyl Alcohol	72		77		40-140	7		50
Carbazole	76		82		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1540394-2 WG1540394-3								
1,4-Dioxane	48		55		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		83		25-120
Phenol-d6	79		87		10-120
Nitrobenzene-d5	71		77		23-120
2-Fluorobiphenyl	67		71		30-120
2,4,6-Tribromophenol	89		98		10-136
4-Terphenyl-d14	80		87		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	38.5	36.8	96		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	38.5	36.2	94		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	34.2	32.9	96		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36	35.3	98		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38.5	36.8	96		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36.2	35.8	99		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38.5	36.1	94		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.2	33.0	94		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	38.5	37.9	98		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.7	39.5	108		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.7	36.0	98		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38.5	36.7	95		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.8	37.5	105		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.5	36.9	96		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37	37.0	100		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	37.1	36.1	97		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.5	36.3	94		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.5	35.8	93		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.1	37.0	100		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.5	35.1	91		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.5	35.7	93		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.5	37.3	97		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.5	41.9	109		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.5	36.9	96		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	139				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	110				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539835-3 WG1539835-4 QC Sample: L2145970-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	6.25	6.03	97		5.56	97		71-135	8		30
Perfluoropentanoic Acid (PFPeA)	ND	6.25	5.89	94		5.53	96		69-132	6		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.55	5.24	94		4.82	95		72-128	8		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.85	6.25	107		5.65	105		62-145	10		30
Perfluorohexanoic Acid (PFHxA)	ND	6.25	6.06	97		5.58	97		70-132	8		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.88	5.87	100		5.44	101		73-123	8		30
Perfluoroheptanoic Acid (PFHpA)	ND	6.25	5.87	94		5.42	94		71-131	8		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.71	5.56	97		5.12	98		67-130	8		30
Perfluorooctanoic Acid (PFOA)	ND	6.25	6.11	98		5.69	99		69-133	7		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.95	5.98	100		5.77	106		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.95	5.77	97		5.20	95		70-132	10		30
Perfluorononanoic Acid (PFNA)	ND	6.25	6.00	96		5.49	96		72-129	9		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.8	6.04	104		5.62	105		68-136	7		30
Perfluorodecanoic Acid (PFDA)	ND	6.25	6.21	99		5.49	96		69-133	12		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6	6.82	114		5.86	106		65-137	15		30
Perfluorononanesulfonic Acid (PFNS)	ND	6.01	5.88	98		5.47	99		69-125	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.25	6.46	103		5.73	100		63-144	12		30
Perfluoroundecanoic Acid (PFUnA)	ND	6.25	5.98	96		5.80	101		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	6.02	5.73	95		5.32	96		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	6.25	5.12	82		6.52	114		67-137	24		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.25	6.00	96		5.30	92		61-139	12		30
Perfluorododecanoic Acid (PFDoA)	ND	6.25	5.98	96		5.45	95		69-135	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539835-3 WG1539835-4 QC Sample: L2145970-04 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	6.25	7.62	122		6.72	117		66-139	13		30
Perfluorotetradecanoic Acid (PFTA)	ND	6.25	6.04	97		5.84	102		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		99		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	98		98		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		96		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		65		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		64		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		90		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		90		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		91		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47		53		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		78		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q	**5**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		94		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		86		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		83		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		91		74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	4.75	4.44	ng/l	7		30
Perfluoropentanoic Acid (PFPeA)	4.33	4.14	ng/l	4		30
Perfluorobutanesulfonic Acid (PFBS)	5.06	4.77	ng/l	6		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	4.78	4.71	ng/l	1		30
Perfluoropentanesulfonic Acid (PFPeS)	0.238J	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	5.15	4.90	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	1.74J	1.83J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	28.1	27.1	ng/l	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.32J	1.30J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	17.0	17.6	ng/l	3		30
Perfluorodecanoic Acid (PFDA)	1.66J	1.54J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		67		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		64		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		99		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**155**	Q	**143**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		64		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		66		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		65		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		63		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		100		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		64		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		114		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		50		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		72		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		46		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		69		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		57		22-136

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/21 23:39
Analyst: JM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/21 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.40	1	A
Aroclor 1221	ND		ug/kg	38.3	3.84	1	A
Aroclor 1232	ND		ug/kg	38.3	8.11	1	A
Aroclor 1242	ND		ug/kg	38.3	5.16	1	A
Aroclor 1248	ND		ug/kg	38.3	5.74	1	A
Aroclor 1254	ND		ug/kg	38.3	4.19	1	A
Aroclor 1260	12.6	J	ug/kg	38.3	7.07	1	B
Aroclor 1262	ND		ug/kg	38.3	4.86	1	A
Aroclor 1268	ND		ug/kg	38.3	3.96	1	A
PCBs, Total	12.6	J	ug/kg	38.3	3.40	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/21 23:48
Analyst: JM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/21 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.45	1	A
Aroclor 1221	ND		ug/kg	38.9	3.90	1	A
Aroclor 1232	ND		ug/kg	38.9	8.24	1	A
Aroclor 1242	ND		ug/kg	38.9	5.24	1	A
Aroclor 1248	ND		ug/kg	38.9	5.83	1	A
Aroclor 1254	ND		ug/kg	38.9	4.25	1	A
Aroclor 1260	ND		ug/kg	38.9	7.19	1	A
Aroclor 1262	ND		ug/kg	38.9	4.94	1	A
Aroclor 1268	ND		ug/kg	38.9	4.03	1	A
PCBs, Total	ND		ug/kg	38.9	3.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/29/21 23:11
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/28/21 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1541206-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.30	A
Aroclor 1232	ND		ug/kg	32.9	6.98	A
Aroclor 1242	ND		ug/kg	32.9	4.44	A
Aroclor 1248	ND		ug/kg	32.9	4.94	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.09	A
Aroclor 1262	ND		ug/kg	32.9	4.18	A
Aroclor 1268	ND		ug/kg	32.9	3.41	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1541206-2 WG1541206-3									
Aroclor 1016	107		75		40-140	35		50	A
Aroclor 1260	115		76		40-140	41		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	A
Decachlorobiphenyl	79		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		80		30-150	B
Decachlorobiphenyl	79		85		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/21 16:11
Analyst: SDC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/21 21:33
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.749	0.335	1	A
Alpha-BHC	ND		ug/kg	0.749	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.749	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	2.42		ug/kg	1.80	0.641	1	A
4,4'-DDT	ND		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.749	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.44	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.593	1	A
Chlordane	ND		ug/kg	15.0	5.95	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01 Date Collected: 08/25/21 10:00

Client ID: EP11_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/30/21 18:34
Analyst: JWL
Percent Solids: 86%
Methylation Date: 08/30/21 11:15

Extraction Method: EPA 8151A
Extraction Date: 08/28/21 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.04	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	63		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/21 16:22
Analyst: SDC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/21 21:33
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.896	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.784	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.41	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.9	5.94	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02 Date Collected: 08/25/21 10:10

Client ID: EP17_2 Date Received: 08/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**960**	Q	30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY

Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/30/21 18:53
Analyst: JWL
Percent Solids: 86%
Methylation Date: 08/30/21 11:15

Extraction Method: EPA 8151A
Extraction Date: 08/28/21 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.96	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	66		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/30/21 13:58
Analyst: JWL

Extraction Method: EPA 8151A
Extraction Date: 08/28/21 16:09

Methylation Date: 08/30/21 08:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1540331-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	76		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/21 15:38
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/28/21 21:33
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1540346-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.659	0.294	A
Alpha-BHC	ND		ug/kg	0.659	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.790	0.354	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.96	0.889	A
Endrin	ND		ug/kg	0.659	0.270	A
Endrin aldehyde	ND		ug/kg	1.98	0.692	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.988	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.659	0.314	A
Methoxychlor	ND		ug/kg	2.96	0.922	A
Toxaphene	ND		ug/kg	29.6	8.30	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	13.2	5.24	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/21 15:38
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/28/21 21:33
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1540346-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1540331-2 WG1540331-3									
2,4-D	70		70		30-150	0		30	A
2,4,5-T	71		73		30-150	3		30	A
2,4,5-TP (Silvex)	70		70		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	65		66		30-150	A
DCAA	74		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1540346-2 WG1540346-3									
Delta-BHC	101		109		30-150	8		30	A
Lindane	102		109		30-150	7		30	A
Alpha-BHC	95		103		30-150	8		30	A
Beta-BHC	98		102		30-150	4		30	A
Heptachlor	97		106		30-150	9		30	A
Aldrin	92		104		30-150	12		30	A
Heptachlor epoxide	88		101		30-150	14		30	A
Endrin	89		96		30-150	8		30	A
Endrin aldehyde	73		78		30-150	7		30	A
Endrin ketone	86		95		30-150	10		30	A
Dieldrin	94		100		30-150	6		30	A
4,4'-DDE	91		96		30-150	5		30	A
4,4'-DDD	98		106		30-150	8		30	A
4,4'-DDT	96		105		30-150	9		30	A
Endosulfan I	86		89		30-150	3		30	A
Endosulfan II	91		98		30-150	7		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	85		94		30-150	10		30	A
cis-Chlordane	90		96		30-150	6		30	A
trans-Chlordane	104		116		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1540346-2 WG1540346-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		101		30-150	A
Decachlorobiphenyl	90		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		99		30-150	B
Decachlorobiphenyl	93		100		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY
Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3280		mg/kg	8.99	2.43	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Antimony, Total	0.899	J	mg/kg	4.49	0.341	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Arsenic, Total	33.5		mg/kg	0.899	0.187	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Barium, Total	106		mg/kg	0.899	0.156	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Beryllium, Total	0.827		mg/kg	0.449	0.030	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.899	0.088	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Calcium, Total	21500		mg/kg	8.99	3.14	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Chromium, Total	23.9		mg/kg	0.899	0.086	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Cobalt, Total	7.73		mg/kg	1.80	0.149	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Copper, Total	150		mg/kg	0.899	0.232	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Iron, Total	27400		mg/kg	4.49	0.811	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Lead, Total	284		mg/kg	4.49	0.241	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Magnesium, Total	9840		mg/kg	8.99	1.38	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Manganese, Total	164		mg/kg	0.899	0.143	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Mercury, Total	1.02		mg/kg	0.073	0.048	1	08/27/21 09:05	08/30/21 17:45	EPA 7471B	1,7471B	OU
Nickel, Total	16.1		mg/kg	2.25	0.217	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Potassium, Total	570		mg/kg	225	12.9	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Selenium, Total	0.881	J	mg/kg	1.80	0.232	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.899	0.254	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Sodium, Total	270		mg/kg	180	2.83	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.80	0.283	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Vanadium, Total	22.7		mg/kg	0.899	0.182	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
Zinc, Total	606		mg/kg	4.49	0.263	2	08/27/21 09:55	09/01/21 14:35	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	24		mg/kg	0.93	0.93	1		09/01/21 14:35	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY
Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5310		mg/kg	9.06	2.44	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.53	0.344	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Arsenic, Total	10.6		mg/kg	0.906	0.188	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Barium, Total	405		mg/kg	0.906	0.158	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Beryllium, Total	4.65		mg/kg	0.453	0.030	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.906	0.089	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Calcium, Total	28400		mg/kg	9.06	3.17	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Chromium, Total	42.8		mg/kg	0.906	0.087	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Cobalt, Total	27.8		mg/kg	1.81	0.150	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Copper, Total	926		mg/kg	0.906	0.234	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Iron, Total	27300		mg/kg	4.53	0.818	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Lead, Total	1820		mg/kg	4.53	0.243	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Magnesium, Total	6090		mg/kg	9.06	1.39	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Manganese, Total	261		mg/kg	0.906	0.144	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Mercury, Total	0.152		mg/kg	0.073	0.048	1	08/27/21 09:05	08/30/21 17:48	EPA 7471B	1,7471B	OU
Nickel, Total	58.1		mg/kg	2.26	0.219	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Potassium, Total	775		mg/kg	226	13.0	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Selenium, Total	0.507	J	mg/kg	1.81	0.234	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.906	0.256	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Sodium, Total	290		mg/kg	181	2.85	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.81	0.285	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Vanadium, Total	25.8		mg/kg	0.906	0.184	2	08/27/21 09:55	09/01/21 14:40	EPA 3050B	1,6010D	SV
Zinc, Total	3080		mg/kg	22.6	1.33	10	08/27/21 09:55	09/03/21 15:08	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	42	J	mg/kg	0.93	0.93	1		09/01/21 14:40	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2145663

Project Number: 170229024 **Report Date:** 09/03/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1539536-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Chromium, Total	0.108	J	mg/kg	0.400	0.038	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Iron, Total	1.84	J	mg/kg	2.00	0.361	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Manganese, Total	0.112	J	mg/kg	0.400	0.064	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Potassium, Total	7.77	J	mg/kg	100	5.76	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Sodium, Total	12.8	J	mg/kg	80.0	1.26	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/27/21 09:55	09/01/21 08:55	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1539540-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/27/21 09:05	08/30/21 16:55	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1539536-2 SRM Lot Number: D109-540								
Aluminum, Total	66		-		50-150	-		
Antimony, Total	119		-		19-250	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	92		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	93		-		73-128	-		
Chromium, Total	97		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	94		-		35-165	-		
Lead, Total	95		-		72-128	-		
Magnesium, Total	88		-		62-138	-		
Manganese, Total	90		-		74-126	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	85		-		59-141	-		
Selenium, Total	97		-		68-132	-		
Silver, Total	98		-		68-131	-		
Sodium, Total	88		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	100		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1539536-2 SRM Lot Number: D109-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1539540-2 SRM Lot Number: D109-540					
Mercury, Total	98	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539536-3 QC Sample: L2144081-01 Client ID: MS Sample												
Aluminum, Total	2490	193	4110	**840**	Q	-	-		75-125	-		20
Antimony, Total	0.785J	48.2	41.7	86		-	-		75-125	-		20
Arsenic, Total	2.26	11.6	14.8	108		-	-		75-125	-		20
Barium, Total	53.2	193	249	102		-	-		75-125	-		20
Beryllium, Total	0.136J	4.82	4.81	100		-	-		75-125	-		20
Cadmium, Total	0.941J	5.11	5.82	114		-	-		75-125	-		20
Calcium, Total	3790	964	4940	119		-	-		75-125	-		20
Chromium, Total	7.82	19.3	30.2	116		-	-		75-125	-		20
Cobalt, Total	2.43	48.2	48.6	96		-	-		75-125	-		20
Copper, Total	28.5	24.1	62.5	**141**	Q	-	-		75-125	-		20
Iron, Total	6520	96.4	10200	**3820**	Q	-	-		75-125	-		20
Lead, Total	126	51.1	205	**155**	Q	-	-		75-125	-		20
Magnesium, Total	1140	964	2400	**131**	Q	-	-		75-125	-		20
Manganese, Total	85.0	48.2	157	**149**	Q	-	-		75-125	-		20
Nickel, Total	5.75	48.2	52.5	97		-	-		75-125	-		20
Potassium, Total	506	964	1660	120		-	-		75-125	-		20
Selenium, Total	0.281J	11.6	11.8	102		-	-		75-125	-		20
Silver, Total	ND	28.9	28.9	100		-	-		75-125	-		20
Sodium, Total	68.0J	964	1130	117		-	-		75-125	-		20
Thallium, Total	ND	11.6	10.6	92		-	-		75-125	-		20
Vanadium, Total	11.1	48.2	66.8	116		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539536-3 QC Sample: L2144081-01 Client ID: MS Sample										
Zinc, Total	180	48.2	261	**168**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539540-3 QC Sample: L2145542-01 Client ID: MS Sample										
Mercury, Total	0.308	0.258	0.465	**61**	Q	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539536-4 QC Sample: L2144081-01 Client ID: DUP Sample						
Aluminum, Total	2490	2740	mg/kg	10		20
Antimony, Total	0.785J	0.677J	mg/kg	NC		20
Arsenic, Total	2.26	2.46	mg/kg	8		20
Barium, Total	53.2	55.5	mg/kg	4		20
Beryllium, Total	0.136J	0.155J	mg/kg	NC		20
Cadmium, Total	0.941J	1.15	mg/kg	NC		20
Calcium, Total	3790	3970	mg/kg	5		20
Chromium, Total	7.82	9.21	mg/kg	16		20
Cobalt, Total	2.43	2.78	mg/kg	13		20
Copper, Total	28.5	34.1	mg/kg	18		20
Iron, Total	6520	9160	mg/kg	**34**	Q	20
Lead, Total	126	149	mg/kg	17		20
Magnesium, Total	1140	1390	mg/kg	20		20
Manganese, Total	85.0	97.2	mg/kg	13		20
Nickel, Total	5.75	6.82	mg/kg	17		20
Potassium, Total	506	580	mg/kg	14		20
Selenium, Total	0.281J	0.271J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	68.0J	61.1J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539536-4 QC Sample: L2144081-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	11.1	13.9	mg/kg	**22**	Q	20
Zinc, Total	180	283	mg/kg	**44**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539540-4 QC Sample: L2145542-01 Client ID: DUP Sample						
Mercury, Total	0.308	0.753	mg/kg	**84**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1539536-6 QC Sample: L2144081-01 Client ID: DUP Sample						
Aluminum, Total	2490	2420	mg/kg	3		20
Barium, Total	53.2	51.2	mg/kg	4		20
Calcium, Total	3790	3680	mg/kg	3		20
Copper, Total	28.5	29.2	mg/kg	2		20
Iron, Total	6520	6360	mg/kg	2		20
Lead, Total	126	145	mg/kg	15		20
Magnesium, Total	1140	1210	mg/kg	6		20
Manganese, Total	85.0	82.8	mg/kg	3		20
Zinc, Total	180	204	mg/kg	13		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-01
Client ID: EP11_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/25/21 10:00
Date Received: 08/25/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	08/26/21 09:52	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.934	0.187	1	08/30/21 23:03	08/31/21 21:08	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2145663
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2145663-02
Client ID: EP17_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/25/21 10:10
Date Received: 08/25/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	08/26/21 09:52	121,2540G	RI
Chromium, Hexavalent	0.304	J	mg/kg	0.934	0.187	1	08/30/21 23:03	08/31/21 21:08	1,7196A	NA

Project Name: 45 COMMERCIAL STREET
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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1540925-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/30/21 23:03	08/31/21 21:08	1,7196A	NA

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2145663

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1540925-2								
Chromium, Hexavalent	**73**	Q	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1540925-4 QC Sample: L2145663-01 Client ID: EP11_2												
Chromium, Hexavalent	ND	1240	1080	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1539373-1 QC Sample: L2145543-01 Client ID: DUP Sample						
Solids, Total	83.8	83.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1540925-6 QC Sample: L2145663-01 Client ID: EP11_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145663-01A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2145663-01B	Vial water preserved	A	NA		4.3	Y	Absent	25-AUG-21 23:44	NYTCL-8260HLW(14)
L2145663-01C	Vial water preserved	A	NA		4.3	Y	Absent	25-AUG-21 23:44	NYTCL-8260HLW(14)
L2145663-01D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2145663-01E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2145663-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2145663-01G	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145663-01H	Plastic 8oz unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145663-01I	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145663-02A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2145663-02B	Vial water preserved	A	NA		4.3	Y	Absent	25-AUG-21 23:44	NYTCL-8260HLW(14)
L2145663-02C	Vial water preserved	A	NA		4.3	Y	Absent	25-AUG-21 23:44	NYTCL-8260HLW(14)
L2145663-02D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2145663-02E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2145663-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2145663-02G	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145663-02H	Plastic 8oz unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2145663
Report Date: 09/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145663-02I	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2145663-03A	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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Lab Number: L2145663
Report Date: 09/03/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

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Project Number:	170229024	**Report Date:**	09/03/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2145663
Project Number:	170229024	**Report Date:**	09/03/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/25/21

ALPHA Job #: L2145663

Client Information

Client: Lagan DPC
Address: 360 W 31th street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn NY
Project # 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metal/Hex tricr	PFAS	1,4 dioxane		Sample Specific Comments	Total Bottle
45663-01	~~EP10~~ EP11_2	8/25/2021	1000	Soil	YMD	x	x	x	x	x	x	x			
-02	EP17_2	↓	1010	Soil	↓	x	x	x	x	x	x	x			
-03	PFB07_082521	↓	1420	AQ	↓						x				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	8/25/2021 1500	[signature]	8/25/21 15:00
[signature]	8/25/21 17:30	Paul Mazzella	8/25/21 1740
Paul Mazzella	8/25/21 2200	[signature] Woo	8/25/21 2000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2146522
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	01/05/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2146522-01	EP10_2	SOIL	BROOKLYN, NY	08/30/21 09:00	08/30/21
L2146522-02	EPDUP01_083021	SOIL	BROOKLYN, NY	08/30/21 00:00	08/30/21
L2146522-03	EP16_8	SOIL	BROOKLYN, NY	08/30/21 10:00	08/30/21
L2146522-04	EP22_8	SOIL	BROOKLYN, NY	08/30/21 10:40	08/30/21
L2146522-05	PFB08_083021	WATER	BROOKLYN, NY	08/30/21 12:31	08/30/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522
Project Number: 170229024 **Report Date:** 01/05/22

Case Narrative (continued)

Report Revision

January 05, 2022: The Trivalent Chromium and Hexavalent Chromium results have been amended on L2146522-04.

Report Submission

September 10, 2021: This final report includes the results of all requested analyses.

September 09, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG1541292-4/-5 MS/MSD recoveries, performed on L2146522-03, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

The WG1541292-5 MSD recoveries, performed on L2146522-03, are below the acceptance criteria for 2,4-dinitrophenol (0%) and 4,6-dinitro-o-cresol (0%) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.

The WG1541292-5 MSD recoveries, performed on L2146522-03, are outside the acceptance criteria for fluoranthene (0%) and pyrene (0%). The unacceptable percent recoveries are attributed to the elevated concentrations of these target compounds present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution

The Extracted Internal Standard recovery for the WG1541553-1 Method Blank, associated with L2146522-01 through -04, is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated samples are non-detect for Perfluorooctanesulfonamide (FOSA).

WG1541553-5 and WG1541553-6: The Extracted Internal Standard recovery is below the acceptance criteria

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522
Project Number: 170229024 **Report Date:** 01/05/22

Case Narrative (continued)

for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

Pesticides

L2146522-01: The internal standard (IS) response for 1-bromo-2-nitrobenzene (420%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%) and decachlorobiphenyl (14%) due to interference with the Internal Standard.

L2146522-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene (247%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (27%) due to interference with the Internal Standard.

L2146522-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (307%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (29%) and decachlorobiphenyl (21%) due to interference with the Internal Standard.

L2146522-04: The internal standard (IS) response for 1-bromo-2-nitrobenzene (345%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (20%) due to interference with the Internal Standard.

WG1541441-4: The internal standard (IS) response for 1-bromo-2-nitrobenzene (299%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (26%) and decachlorobiphenyl (21%) due to interference with the Internal Standard.

WG1541441-5: The internal standard (IS) response for 1-bromo-2-nitrobenzene (341%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%) and

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

Case Narrative (continued)

decachlorobiphenyl (18%) due to interference with the Internal Standard.

Total Metals

L2146522-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1541207-3/-4 MS/MSD recoveries, performed on L2146522-03, are outside the acceptance criteria for manganese (32%/62%) and zinc (171%/132%). A post digestion spike was performed and was within acceptance criteria.

The WG1541207-3/-4 MS/MSD recoveries, performed on L2146522-03, are outside the acceptance criteria for copper (9%/65%). A post digestion spike was performed and yielded unacceptable recoveries for copper (127%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1541207-3/-4 MS/MSD recoveries for aluminum (386%/481%), calcium (0%/0%), iron (0%/842%), lead (159%/744%) and magnesium (0%/0%), performed on L2146522-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1541207-4 MSD recovery, performed on L2146522-03, is outside the acceptance criteria for arsenic (132%). A post digestion spike was performed and yielded unacceptable recoveries for arsenic (122%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1541207-3/-4 MS/MSD RPD for lead (56%), performed on L2146522-03, is above the acceptance criteria.

The WG1541217-3/-4 MS/MSD recoveries, performed on L2146522-03, are outside %the acceptance criteria for mercury (76%/77%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 01/05/22

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:35
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.74	0.29	1
Chlorobenzene	ND		ug/kg	0.74	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.24	1
Bromodichloromethane	ND		ug/kg	0.74	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.74	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.74	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.24	1
Benzene	ND		ug/kg	0.74	0.24	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.74	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.30	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	ND		ug/kg	15	7.1	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.24	1
sec-Butylbenzene	ND		ug/kg	1.5	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.9	0.96	1
Acrylonitrile	ND		ug/kg	5.9	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	124		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 21:01
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	0.65	J	ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	125		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 21:26
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	0.89	0.35	1
Chlorobenzene	ND		ug/kg	0.89	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.30	1
Bromodichloromethane	ND		ug/kg	0.89	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.89	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.30	1
Benzene	ND		ug/kg	0.89	0.30	1
Toluene	ND		ug/kg	1.8	0.97	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.80	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.24	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.89	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.6	0.42	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	14	J	ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.1	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	ND		ug/kg	7.1	1.2	1
Acrylonitrile	ND		ug/kg	7.1	2.0	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.57	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.48	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.34	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	62.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.68	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	124		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 21:51
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	11	4.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.31	1
Chloroform	ND		ug/kg	3.2	0.30	1
Carbon tetrachloride	ND		ug/kg	2.1	0.49	1
1,2-Dichloropropane	ND		ug/kg	2.1	0.26	1
Dibromochloromethane	ND		ug/kg	2.1	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.57	1
Tetrachloroethene	ND		ug/kg	1.1	0.42	1
Chlorobenzene	ND		ug/kg	1.1	0.27	1
Trichlorofluoromethane	ND		ug/kg	8.5	1.5	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.54	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.35	1
Bromodichloromethane	ND		ug/kg	1.1	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.58	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.34	1
1,1-Dichloropropene	ND		ug/kg	1.1	0.34	1
Bromoform	ND		ug/kg	8.5	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Benzene	ND		ug/kg	1.1	0.35	1
Toluene	ND		ug/kg	2.1	1.2	1
Ethylbenzene	ND		ug/kg	2.1	0.30	1
Chloromethane	ND		ug/kg	8.5	2.0	1
Bromomethane	ND		ug/kg	4.2	1.2	1
Vinyl chloride	ND		ug/kg	2.1	0.71	1
Chloroethane	ND		ug/kg	4.2	0.96	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	0.29	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.36	1
Methyl tert butyl ether	ND		ug/kg	4.2	0.43	1
p/m-Xylene	ND		ug/kg	4.2	1.2	1
o-Xylene	ND		ug/kg	2.1	0.62	1
Xylenes, Total	ND		ug/kg	2.1	0.62	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.37	1
1,2-Dichloroethene, Total	ND		ug/kg	2.1	0.29	1
Dibromomethane	ND		ug/kg	4.2	0.50	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	21	1.9	1
Acetone	ND		ug/kg	21	10.	1
Carbon disulfide	ND		ug/kg	21	9.6	1
2-Butanone	ND		ug/kg	21	4.7	1
Vinyl acetate	ND		ug/kg	21	4.6	1
4-Methyl-2-pentanone	ND		ug/kg	21	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	0.27	1
2-Hexanone	ND		ug/kg	21	2.5	1
Bromochloromethane	ND		ug/kg	4.2	0.43	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.43	1
1,2-Dibromoethane	ND		ug/kg	2.1	0.59	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.35	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.28	1
Bromobenzene	ND		ug/kg	4.2	0.31	1
n-Butylbenzene	ND		ug/kg	2.1	0.35	1
sec-Butylbenzene	ND		ug/kg	2.1	0.31	1
tert-Butylbenzene	ND		ug/kg	4.2	0.25	1
o-Chlorotoluene	ND		ug/kg	4.2	0.40	1
p-Chlorotoluene	ND		ug/kg	4.2	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	2.1	1
Hexachlorobutadiene	ND		ug/kg	8.5	0.36	1
Isopropylbenzene	ND		ug/kg	2.1	0.23	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.23	1
Naphthalene	ND		ug/kg	8.5	1.4	1
Acrylonitrile	ND		ug/kg	8.5	2.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.1	0.36	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.68	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.58	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.41	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.71	1
1,4-Dioxane	ND		ug/kg	170	74.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.38	1
p-Ethyltoluene	ND		ug/kg	4.2	0.81	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.40	1
Ethyl ether	ND		ug/kg	4.2	0.72	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	3.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	125		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1542793-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1542793-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1542793-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.30	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.54	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.39	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.27	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	118		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1542793-3 WG1542793-4								
Methylene chloride	100		100		70-130	0		30
1,1-Dichloroethane	100		101		70-130	1		30
Chloroform	107		109		70-130	2		30
Carbon tetrachloride	**133**	Q	**134**	Q	70-130	1		30
1,2-Dichloropropane	93		96		70-130	3		30
Dibromochloromethane	116		123		70-130	6		30
1,1,2-Trichloroethane	91		96		70-130	5		30
Tetrachloroethene	124		125		70-130	1		30
Chlorobenzene	106		107		70-130	1		30
Trichlorofluoromethane	134		132		70-139	2		30
1,2-Dichloroethane	108		111		70-130	3		30
1,1,1-Trichloroethane	128		129		70-130	1		30
Bromodichloromethane	112		117		70-130	4		30
trans-1,3-Dichloropropene	106		110		70-130	4		30
cis-1,3-Dichloropropene	108		112		70-130	4		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	82		86		70-130	5		30
Benzene	102		104		70-130	2		30
Toluene	99		100		70-130	1		30
Ethylbenzene	103		104		70-130	1		30
Chloromethane	87		86		52-130	1		30
Bromomethane	**154**	Q	146		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1542793-3 WG1542793-4								
Vinyl chloride	98		90		67-130	9		30
Chloroethane	100		99		50-151	1		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	109		109		70-130	0		30
Trichloroethene	114		116		70-130	2		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	107		109		70-130	2		30
1,4-Dichlorobenzene	106		105		70-130	1		30
Methyl tert butyl ether	104		108		66-130	4		30
p/m-Xylene	110		111		70-130	1		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	99		104		70-130	5		30
Styrene	103		104		70-130	1		30
Dichlorodifluoromethane	82		83		30-146	1		30
Acetone	88		88		54-140	0		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		82		70-130	6		30
Vinyl acetate	81		85		70-130	5		30
4-Methyl-2-pentanone	83		87		70-130	5		30
1,2,3-Trichloropropane	82		89		68-130	8		30
2-Hexanone	**67**	Q	72		70-130	7		30
Bromochloromethane	112		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1542793-3 WG1542793-4								
2,2-Dichloropropane	123		122		70-130	1		30
1,2-Dibromoethane	96		100		70-130	4		30
1,3-Dichloropropane	96		99		69-130	3		30
1,1,1,2-Tetrachloroethane	119		124		70-130	4		30
Bromobenzene	107		108		70-130	1		30
n-Butylbenzene	102		102		70-130	0		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	110		110		70-130	0		30
o-Chlorotoluene	103		102		70-130	1		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	98		104		68-130	6		30
Hexachlorobutadiene	123		121		67-130	2		30
Isopropylbenzene	106		106		70-130	0		30
p-Isopropyltoluene	109		109		70-130	0		30
Naphthalene	90		98		70-130	9		30
Acrylonitrile	77		82		70-130	6		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	104		109		70-130	5		30
1,2,4-Trichlorobenzene	110		113		70-130	3		30
1,3,5-Trimethylbenzene	104		106		70-130	2		30
1,2,4-Trimethylbenzene	104		105		70-130	1		30
1,4-Dioxane	88		93		65-136	6		30
p-Diethylbenzene	108		108		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1542793-3 WG1542793-4								
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		30
Ethyl ether	90		94		67-130	4		30
trans-1,4-Dichloro-2-butene	82		91		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		107		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	105		107		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542793-6 WG1542793-7 QC Sample: L2146522-03 Client ID: EP16_8												
Methylene chloride	ND	142	77	**54**	Q	87	**64**	Q	70-130	12		30
1,1-Dichloroethane	ND	142	110	78		120	85		70-130	4		30
Chloroform	ND	142	100	73		110	81		70-130	7		30
Carbon tetrachloride	ND	142	170	116		170	123		70-130	2		30
1,2-Dichloropropane	ND	142	91	**64**	Q	98	72		70-130	8		30
Dibromochloromethane	ND	142	88	**62**	Q	97	71		70-130	10		30
1,1,2-Trichloroethane	ND	142	76	**53**	Q	82	**60**	Q	70-130	8		30
Tetrachloroethene	ND	142	110	79		120	84		70-130	3		30
Chlorobenzene	ND	142	70	**49**	Q	77	**56**	Q	70-130	10		30
Trichlorofluoromethane	ND	142	180	125		180	131		70-139	2		30
1,2-Dichloroethane	ND	142	75	**53**	Q	86	**63**	Q	70-130	14		30
1,1,1-Trichloroethane	ND	142	160	111		160	119		70-130	3		30
Bromodichloromethane	ND	142	96	**67**	Q	110	77		70-130	9		30
trans-1,3-Dichloropropene	ND	142	36	**26**	Q	46	**34**	Q	70-130	24		30
cis-1,3-Dichloropropene	ND	142	57	**40**	Q	66	**48**	Q	70-130	14		30
1,1-Dichloropropene	ND	142	110	80		120	84		70-130	2		30
Bromoform	ND	142	73	**51**	Q	78	**57**	Q	70-130	7		30
1,1,2,2-Tetrachloroethane	ND	142	68	**48**	Q	68	**50**	Q	70-130	1		30
Benzene	ND	142	100	70		110	78		70-130	7		30
Toluene	ND	142	88	**62**	Q	95	**69**	Q	70-130	7		30
Ethylbenzene	ND	142	87	**61**	Q	90	**66**	Q	70-130	4		30
Chloromethane	ND	142	110	75		110	81		52-130	5		30
Bromomethane	ND	142	140	101		150	106		57-147	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542793-6 WG1542793-7 QC Sample: L2146522-03 Client ID: EP16_8												
Vinyl chloride	ND	142	110	75		110	77		67-130	0		30
Chloroethane	ND	142	110	75		110	82		50-151	6		30
1,1-Dichloroethene	ND	142	120	85		120	89		65-135	2		30
trans-1,2-Dichloroethene	ND	142	83	**58**	Q	87	**64**	Q	70-130	6		30
Trichloroethene	ND	142	95	**67**	Q	100	73		70-130	5		30
1,2-Dichlorobenzene	ND	142	51	**36**	Q	54	**39**	Q	70-130	6		30
1,3-Dichlorobenzene	ND	142	49	**34**	Q	52	**38**	Q	70-130	8		30
1,4-Dichlorobenzene	ND	142	41	**29**	Q	45	**33**	Q	70-130	8		30
Methyl tert butyl ether	ND	142	120	83		130	91		66-130	6		30
p/m-Xylene	ND	284	180	**63**	Q	190	**69**	Q	70-130	4		30
o-Xylene	ND	284	170	**58**	Q	170	**64**	Q	70-130	5		30
cis-1,2-Dichloroethene	ND	142	74	**52**	Q	81	**59**	Q	70-130	9		30
Dibromomethane	ND	142	48	**34**	Q	57	**42**	Q	70-130	17		30
Styrene	ND	284	120	**43**	Q	130	**48**	Q	70-130	8		30
Dichlorodifluoromethane	ND	142	110	80		110	83		30-146	0		30
Acetone	14J	142	100	71		110	77		54-140	5		30
Carbon disulfide	ND	142	74	**52**	Q	72	**53**	Q	59-130	2		30
2-Butanone	ND	142	68	**48**	Q	72	**53**	Q	70-130	5		30
Vinyl acetate	ND	142	14J	**10**	Q	16	**12**	Q	70-130	15		30
4-Methyl-2-pentanone	ND	142	82	**58**	Q	90	**66**	Q	70-130	10		30
1,2,3-Trichloropropane	ND	142	67	**47**	Q	72	**52**	Q	68-130	7		30
2-Hexanone	ND	142	55	**39**	Q	63	**46**	Q	70-130	13		30
Bromochloromethane	ND	142	65	**46**	Q	77	**56**	Q	70-130	16		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542793-6 WG1542793-7 QC Sample: L2146522-03 Client ID: EP16_8												
2,2-Dichloropropane	ND	142	150	106		160	113		70-130	3		30
1,2-Dibromoethane	ND	142	46	**32**	Q	55	**40**	Q	70-130	18		30
1,3-Dichloropropane	ND	142	65	**46**	Q	74	**54**	Q	69-130	14		30
1,1,1,2-Tetrachloroethane	ND	142	120	83		120	88		70-130	3		30
Bromobenzene	ND	142	56	**40**	Q	61	**44**	Q	70-130	8		30
n-Butylbenzene	ND	142	65	**46**	Q	66	**48**	Q	70-130	2		30
sec-Butylbenzene	ND	142	86	**61**	Q	85	**62**	Q	70-130	2		30
tert-Butylbenzene	ND	142	97	**68**	Q	96	70		70-130	0		30
o-Chlorotoluene	ND	142	75	**53**	Q	77	**56**	Q	70-130	3		30
p-Chlorotoluene	ND	142	57	**40**	Q	61	**44**	Q	70-130	6		30
1,2-Dibromo-3-chloropropane	ND	142	65	**46**	Q	67	**49**	Q	68-130	4		30
Hexachlorobutadiene	ND	142	76	**54**	Q	77	**56**	Q	67-130	1		30
Isopropylbenzene	ND	142	96	**68**	Q	98	72		70-130	2		30
p-Isopropyltoluene	ND	142	81	**57**	Q	82	**60**	Q	70-130	1		30
Naphthalene	ND	142	28	**20**	Q	33	**24**	Q	70-130	15		30
Acrylonitrile	ND	142	53	**38**	Q	65	**48**	Q	70-130	20		30
n-Propylbenzene	ND	142	80	**56**	Q	81	**59**	Q	70-130	1		30
1,2,3-Trichlorobenzene	ND	142	30	**21**	Q	32	**24**	Q	70-130	8		30
1,2,4-Trichlorobenzene	ND	142	29	**20**	Q	32	**23**	Q	70-130	11		30
1,3,5-Trimethylbenzene	ND	142	83	**59**	Q	86	**62**	Q	70-130	3		30
1,2,4-Trimethylbenzene	ND	142	75	**53**	Q	78	**57**	Q	70-130	4		30
1,4-Dioxane	ND	7100	5100	72		5000	73		65-136	2		30
p-Diethylbenzene	ND	142	68	**48**	Q	70	**51**	Q	70-130	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542793-6 WG1542793-7 QC Sample: L2146522-03 Client ID: EP16_8												
p-Ethyltoluene	ND	142	78	**55**	Q	79	**58**	Q	70-130	2		30
1,2,4,5-Tetramethylbenzene	ND	142	63	**44**	Q	65	**47**	Q	70-130	3		30
Ethyl ether	ND	142	84	**59**	Q	92	67		67-130	9		30
trans-1,4-Dichloro-2-butene	ND	142	25	**18**	Q	33	**24**	Q	70-130	27		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	107		104		70-130
Toluene-d8	97		96		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 19:55
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	68	J	ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1700		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	540		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	980		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	96	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	860		ug/kg	110	20.	1
Benzo(a)pyrene	800		ug/kg	140	44.	1
Benzo(b)fluoranthene	1200		ug/kg	110	30.	1
Benzo(k)fluoranthene	340		ug/kg	110	29.	1
Chrysene	960		ug/kg	110	19.	1
Acenaphthylene	140		ug/kg	140	28.	1
Anthracene	380		ug/kg	110	35.	1
Benzo(ghi)perylene	640		ug/kg	140	21.	1
Fluorene	240		ug/kg	180	17.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	160		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	640		ug/kg	140	25.	1
Pyrene	1600		ug/kg	110	18.	1
Biphenyl	130	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	240		ug/kg	180	17.	1
2-Methylnaphthalene	700		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	47	J	ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	36	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	95	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	91		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 06:26
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.514	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.514	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.257	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.514	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.257	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.257	0.062	1
Perfluorooctanoic Acid (PFOA)	0.200	J	ng/g	0.257	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.514	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.514	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.257	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.257	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.257	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.514	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.514	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.514	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.514	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.514	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.514	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.514	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.514	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.514	0.056	1
PFOA/PFOS, Total	0.200	J	ng/g	0.257	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	55		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 19:33
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	56	J	ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	440		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	780		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	56	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	840		ug/kg	110	20.	1
Benzo(a)pyrene	840		ug/kg	140	44.	1
Benzo(b)fluoranthene	1100		ug/kg	110	30.	1
Benzo(k)fluoranthene	360		ug/kg	110	29.	1
Chrysene	970		ug/kg	110	19.	1
Acenaphthylene	120	J	ug/kg	140	28.	1
Anthracene	360		ug/kg	110	35.	1
Benzo(ghi)perylene	640		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	17.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	150		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	660		ug/kg	140	25.	1
Pyrene	1600		ug/kg	110	18.	1
Biphenyl	120	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	210		ug/kg	180	17.	1
2-Methylnaphthalene	630		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	85	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	90		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 06:43
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.037	J	ng/g	0.498	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.055	J	ng/g	0.498	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.249	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.498	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.249	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.249	0.060	1
Perfluorooctanoic Acid (PFOA)	0.198	J	ng/g	0.249	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.498	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.498	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.249	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.249	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.249	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.498	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.498	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.498	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.498	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.498	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.498	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.498	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.498	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.498	0.054	1
PFOA/PFOS, Total	0.198	J	ng/g	0.249	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	144		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 19:11
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	360		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	4400		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	430		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2200		ug/kg	110	20.	1
Benzo(a)pyrene	2300		ug/kg	140	44.	1
Benzo(b)fluoranthene	3000		ug/kg	110	30.	1
Benzo(k)fluoranthene	1000		ug/kg	110	29.	1
Chrysene	2400		ug/kg	110	19.	1
Acenaphthylene	210		ug/kg	140	28.	1
Anthracene	860		ug/kg	110	35.	1
Benzo(ghi)perylene	1600		ug/kg	140	21.	1
Fluorene	380		ug/kg	180	18.	1
Phenanthrene	3200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	390		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	140	25.	1
Pyrene	4000		ug/kg	110	18.	1
Biphenyl	73	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	340		ug/kg	180	17.	1
2-Methylnaphthalene	250		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	38	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	400		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	113		10-136
4-Terphenyl-d14	93		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 06:59
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.506	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.506	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.253	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.506	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.253	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.253	0.061	1
Perfluorooctanoic Acid (PFOA)	0.118	J	ng/g	0.253	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.506	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.506	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.253	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.253	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.253	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.506	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.506	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.506	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.506	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.506	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.506	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.506	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.506	0.207	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.506	0.055	1
PFOA/PFOS, Total	0.118	J	ng/g	0.253	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	132		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/21 20:17
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	4500		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	460		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	2400		ug/kg	100	20.	1
Benzo(a)pyrene	2400		ug/kg	140	42.	1
Benzo(b)fluoranthene	3200		ug/kg	100	29.	1
Benzo(k)fluoranthene	860		ug/kg	100	28.	1
Chrysene	2600		ug/kg	100	18.	1
Acenaphthylene	170		ug/kg	140	27.	1
Anthracene	850		ug/kg	100	34.	1
Benzo(ghi)perylene	1700		ug/kg	140	20.	1
Fluorene	400		ug/kg	170	17.	1
Phenanthrene	3500		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	400		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	140	24.	1
Pyrene	4200		ug/kg	100	17.	1
Biphenyl	58	J	ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	290		ug/kg	170	16.	1
2-Methylnaphthalene	200	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	400		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	85		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 07:49
Analyst: SG
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.484	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.484	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.242	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.484	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.242	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.242	0.059	1
Perfluorooctanoic Acid (PFOA)	0.162	J	ng/g	0.242	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.484	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.484	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.242	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.242	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.242	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.484	0.278	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.484	0.195	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.484	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.484	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.484	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.484	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.484	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.484	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.484	0.052	1
PFOA/PFOS, Total	0.162	J	ng/g	0.242	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	42		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-05
Client ID: PFB08_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 12:31
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/21 20:00
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.368	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.357	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.215	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.339	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.620	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.281	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.454	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.584	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.884	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.523	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.725	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.213	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-05 Date Collected: 08/30/21 12:31

Client ID: PFB08_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1541292-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1541292-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1541292-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	129		10-136
4-Terphenyl-d14	119		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 00:22
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1541553-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 00:22
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1541553-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/21 19:13
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/01/21 09:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1541553-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	93		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/21 19:26
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1543969-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/21 19:26
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1543969-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/13/21 12:09
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1543969-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	76		10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1541292-2 WG1541292-3								
Acenaphthene	105		107		31-137	2		50
1,2,4-Trichlorobenzene	106		104		38-107	2		50
Hexachlorobenzene	116		116		40-140	0		50
Bis(2-chloroethyl)ether	99		96		40-140	3		50
2-Chloronaphthalene	108		107		40-140	1		50
1,2-Dichlorobenzene	99		94		40-140	5		50
1,3-Dichlorobenzene	97		94		40-140	3		50
1,4-Dichlorobenzene	99		94		28-104	5		50
3,3'-Dichlorobenzidine	87		89		40-140	2		50
2,4-Dinitrotoluene	121		121		40-132	0		50
2,6-Dinitrotoluene	120		118		40-140	2		50
Fluoranthene	113		110		40-140	3		50
4-Chlorophenyl phenyl ether	110		110		40-140	0		50
4-Bromophenyl phenyl ether	118		116		40-140	2		50
Bis(2-chloroisopropyl)ether	85		85		40-140	0		50
Bis(2-chloroethoxy)methane	106		105		40-117	1		50
Hexachlorobutadiene	101		98		40-140	3		50
Hexachlorocyclopentadiene	106		105		40-140	1		50
Hexachloroethane	97		93		40-140	4		50
Isophorone	107		105		40-140	2		50
Naphthalene	101		100		40-140	1		50
Nitrobenzene	103		102		40-140	1		50
NDPA/DPA	113		112		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1541292-2 WG1541292-3								
n-Nitrosodi-n-propylamine	100		100		32-121	0		50
Bis(2-ethylhexyl)phthalate	119		119		40-140	0		50
Butyl benzyl phthalate	119		117		40-140	2		50
Di-n-butylphthalate	122		120		40-140	2		50
Di-n-octylphthalate	120		119		40-140	1		50
Diethyl phthalate	116		113		40-140	3		50
Dimethyl phthalate	118		117		40-140	1		50
Benzo(a)anthracene	104		106		40-140	2		50
Benzo(a)pyrene	111		110		40-140	1		50
Benzo(b)fluoranthene	115		109		40-140	5		50
Benzo(k)fluoranthene	110		112		40-140	2		50
Chrysene	107		107		40-140	0		50
Acenaphthylene	113		113		40-140	0		50
Anthracene	110		108		40-140	2		50
Benzo(ghi)perylene	113		113		40-140	0		50
Fluorene	112		110		40-140	2		50
Phenanthrene	108		107		40-140	1		50
Dibenzo(a,h)anthracene	113		113		40-140	0		50
Indeno(1,2,3-cd)pyrene	113		114		40-140	1		50
Pyrene	112		110		35-142	2		50
Biphenyl	112		112		37-127	0		50
4-Chloroaniline	64		67		40-140	5		50
2-Nitroaniline	116		118		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1541292-2 WG1541292-3								
3-Nitroaniline	96		95		26-129	1		50
4-Nitroaniline	109		109		41-125	0		50
Dibenzofuran	111		110		40-140	1		50
2-Methylnaphthalene	105		104		40-140	1		50
1,2,4,5-Tetrachlorobenzene	107		106		40-117	1		50
Acetophenone	105		105		14-144	0		50
2,4,6-Trichlorophenol	112		111		30-130	1		50
p-Chloro-m-cresol	**112**	Q	**113**	Q	26-103	1		50
2-Chlorophenol	**106**	Q	**106**	Q	25-102	0		50
2,4-Dichlorophenol	118		118		30-130	0		50
2,4-Dimethylphenol	114		114		30-130	0		50
2-Nitrophenol	115		116		30-130	1		50
4-Nitrophenol	**121**	Q	**120**	Q	11-114	1		50
2,4-Dinitrophenol	105		106		4-130	1		50
4,6-Dinitro-o-cresol	124		122		10-130	2		50
Pentachlorophenol	108		108		17-109	0		50
Phenol	**103**	Q	**104**	Q	26-90	1		50
2-Methylphenol	109		107		30-130.	2		50
3-Methylphenol/4-Methylphenol	111		113		30-130	2		50
2,4,5-Trichlorophenol	118		119		30-130	1		50
Benzoic Acid	55		64		10-110	15		50
Benzyl Alcohol	108		106		40-140	2		50
Carbazole	109		108		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1541292-2 WG1541292-3								
1,4-Dioxane	62		57		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	99		98		25-120
Phenol-d6	107		105		10-120
Nitrobenzene-d5	99		98		23-120
2-Fluorobiphenyl	106		105		30-120
2,4,6-Tribromophenol	125		125		10-136
4-Terphenyl-d14	114		112		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541553-2								
Perfluorobutanoic Acid (PFBA)	94		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	91		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	91		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	94		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	101		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	96		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541553-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541553-2								
Perfluorooctanesulfonamide (FOSA)	121		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1543969-2								
Perfluorobutanoic Acid (PFBA)	106		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	107		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	111		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	108		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	107		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	133		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	122		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	109		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	111		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	108		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	109		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	122		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	109		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1543969-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1543969-2								
Perfluorooctanesulfonamide (FOSA)	120		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	76				10-112

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541292-4 WG1541292-5 QC Sample: L2146522-03 Client ID: EP16_8												
Acenaphthene	360	1450	2200	130		1700	93		31-137	26		50
1,2,4-Trichlorobenzene	ND	1450	1400	96		1500	100		38-107	7		50
Hexachlorobenzene	ND	1450	1400	96		1400	97		40-140	0		50
Bis(2-chloroethyl)ether	ND	1450	1300	90		1300	90		40-140	0		50
2-Chloronaphthalene	ND	1450	1400	96		1400	97		40-140	0		50
1,2-Dichlorobenzene	ND	1450	1400	96		1400	97		40-140	0		50
1,3-Dichlorobenzene	ND	1450	1300	90		1300	90		40-140	0		50
1,4-Dichlorobenzene	ND	1450	1400	96		1400	97		28-104	0		50
3,3'-Dichlorobenzidine	ND	1450	750	52		1000	69		40-140	29		50
2,4-Dinitrotoluene	ND	1450	1500	100		1500	100		40-132	0		50
2,6-Dinitrotoluene	ND	1450	1500	100		1500	100		40-140	0		50
Fluoranthene	4400	1450	10000E	**390**	Q	4400	**0**	Q	40-140	**78**	Q	50
4-Chlorophenyl phenyl ether	ND	1450	1400	96		1400	97		40-140	0		50
4-Bromophenyl phenyl ether	ND	1450	1400	96		1500	100		40-140	7		50
Bis(2-chloroisopropyl)ether	ND	1450	1200	83		1100	76		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1450	1400	96		1400	97		40-117	0		50
Hexachlorobutadiene	ND	1450	1300	90		1400	97		40-140	7		50
Hexachlorocyclopentadiene	ND	1450	320J	**22**	Q	380J	**26**	Q	40-140	17		50
Hexachloroethane	ND	1450	1300	90		1200	83		40-140	8		50
Isophorone	ND	1450	1400	96		1400	97		40-140	0		50
Naphthalene	430	1450	2400	140		1800	95		40-140	29		50
Nitrobenzene	ND	1450	1400	96		1400	97		40-140	0		50
NDPA/DPA	ND	1450	1500	100		1500	100		36-157	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541292-4 WG1541292-5 QC Sample: L2146522-03 Client ID: EP16_8												
n-Nitrosodi-n-propylamine	ND	1450	1300	90		1300	90		32-121	0		50
Bis(2-ethylhexyl)phthalate	220	1450	1600	95		1700	100		40-140	6		50
Butyl benzyl phthalate	ND	1450	1300	90		1400	97		40-140	7		50
Di-n-butylphthalate	ND	1450	1400	96		1500	100		40-140	7		50
Di-n-octylphthalate	ND	1450	1400	96		1500	100		40-140	7		50
Diethyl phthalate	ND	1450	1400	96		1500	100		40-140	7		50
Dimethyl phthalate	ND	1450	1400	96		1600	110		40-140	13		50
Benzo(a)anthracene	2200	1450	5800	**250**	Q	2900	48		40-140	**67**	Q	50
Benzo(a)pyrene	2300	1450	6200	**270**	Q	2900	41		40-140	**73**	Q	50
Benzo(b)fluoranthene	3000	1450	8000E	**340**	Q	3500	**35**	Q	40-140	**78**	Q	50
Benzo(k)fluoranthene	1000	1450	3100	140		2000	69		40-140	43		50
Chrysene	2400	1450	6300	**270**	Q	3000	41		40-140	**71**	Q	50
Acenaphthylene	210	1450	1600	96		1600	96		40-140	0		50
Anthracene	860	1450	2800	130		1900	72		40-140	38		50
Benzo(ghi)perylene	1600	1450	4900	**230**	Q	2300	48		40-140	**72**	Q	50
Fluorene	380	1450	2400	140		1700	91		40-140	34		50
Phenanthrene	3200	1450	10000E	**470**	Q	3400	**14**	Q	40-140	**99**	Q	50
Dibenzo(a,h)anthracene	390	1450	2000	110		1500	77		40-140	29		50
Indeno(1,2,3-cd)pyrene	1800	1450	5400	**250**	Q	2500	48		40-140	**73**	Q	50
Pyrene	4000	1450	9100E	**350**	Q	4000	**0**	Q	35-142	**78**	Q	50
Biphenyl	73J	1450	1600	110		1500	100		37-127	6		50
4-Chloroaniline	ND	1450	820	56		970	67		40-140	17		50
2-Nitroaniline	ND	1450	1400	96		1600	110		47-134	13		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541292-4 WG1541292-5 QC Sample: L2146522-03 Client ID: EP16_8												
3-Nitroaniline	ND	1450	1200	83		1500	100		26-129	22		50
4-Nitroaniline	ND	1450	1200	83		1500	100		41-125	22		50
Dibenzofuran	340	1450	2400	140		1700	94		40-140	34		50
2-Methylnaphthalene	250	1450	1800	110		1600	93		40-140	12		50
1,2,4,5-Tetrachlorobenzene	ND	1450	1400	96		1500	100		40-117	7		50
Acetophenone	ND	1450	1400	96		1400	97		14-144	0		50
2,4,6-Trichlorophenol	ND	1450	1400	96		1500	100		30-130	7		50
p-Chloro-m-cresol	ND	1450	1400	96		1500	100		26-103	7		50
2-Chlorophenol	ND	1450	1400	96		1400	97		25-102	0		50
2,4-Dichlorophenol	ND	1450	1500	100		1500	100		30-130	0		50
2,4-Dimethylphenol	ND	1450	1400	96		1500	100		30-130	7		50
2-Nitrophenol	ND	1450	1600	110		1300	90		30-130	21		50
4-Nitrophenol	ND	1450	1400	96		1300	90		11-114	7		50
2,4-Dinitrophenol	ND	1450	140J	10		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1450	530	37		ND	**0**	Q	10-130	NC		50
Pentachlorophenol	ND	1450	1000	69		830	57		17-109	19		50
Phenol	ND	1450	1400	**96**	Q	1400	**97**	Q	26-90	0		50
2-Methylphenol	ND	1450	1400	96		1400	97		30-130.	0		50
3-Methylphenol/4-Methylphenol	38J	1450	1400	96		1400	97		30-130	0		50
2,4,5-Trichlorophenol	ND	1450	1500	100		1500	100		30-130	0		50
Benzoic Acid	ND	1450	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1450	1400	96		1400	97		40-140	0		50
Carbazole	400	1450	2900	**170**	Q	1700	90		54-128	**52**	Q	50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541292-4 WG1541292-5 QC Sample: L2146522-03 Client ID: EP16_8												
1,4-Dioxane	ND	1450	790	54		720	50		40-140	9		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	109		110		10-136
2-Fluorobiphenyl	88		92		30-120
2-Fluorophenol	92		88		25-120
4-Terphenyl-d14	85		88		18-120
Nitrobenzene-d5	93		91		23-120
Phenol-d6	93		94		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541553-3 WG1541553-4 QC Sample: L2146083-26 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.036J	5.44	5.17	94		5.22	95		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	0.056J	5.44	5.16	94		5.15	93		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.83	4.59	95		4.60	95		72-128	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.09	5.42	106		5.26	103		62-145	3		30
Perfluorohexanoic Acid (PFHxA)	0.061J	5.44	5.25	95		5.25	95		70-132	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.11	5.08	99		5.05	98		73-123	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.44	5.13	94		5.20	95		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.97	4.76	96		4.74	95		67-130	0		30
Perfluorooctanoic Acid (PFOA)	0.133J	5.44	5.47	98		5.67	101		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.18	5.61	108		5.06	97		64-140	10		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.18	4.98	96		4.98	96		70-132	0		30
Perfluorononanoic Acid (PFNA)	ND	5.44	5.31	98		5.14	94		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	0.264J	5.05	5.69	107		5.59	105		68-136	2		30
Perfluorodecanoic Acid (PFDA)	0.073J	5.44	5.32	97		5.27	95		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.22	5.42	104		5.34	102		65-137	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.23	5.28	101		4.96	94		69-125	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.44	5.37	99		5.33	98		63-144	1		30
Perfluoroundecanoic Acid (PFUnA)	0.053J	5.44	5.29	96		5.53	100		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.24	5.16	98		5.06	96		59-134	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.44	5.12	94		5.33	98		61-139	4		30
Perfluorododecanoic Acid (PFDoA)	ND	5.44	5.37	99		5.27	96		69-135	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.44	6.49	119		6.31	115		66-139	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541553-3 WG1541553-4 QC Sample: L2146083-26 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.44	5.27	97		5.45	100		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		134		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	105		118		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		133		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		90		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		97		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		102		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		108		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		104		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		104		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		112		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		109		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		87		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		100		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		112		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		101		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		105		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		108		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541553-5 WG1541553-6 QC Sample: L2146522-03 Client ID: EP16_8												
Perfluorobutanoic Acid (PFBA)	ND	4.93	4.56	93		4.82	93		71-135	6		30
Perfluoropentanoic Acid (PFPeA)	ND	4.93	4.48	91		4.72	91		69-132	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.38	4.07	93		4.32	93		72-128	6		30
Perfluorohexanoic Acid (PFHxA)	ND	4.93	4.56	93		4.88	94		70-132	7		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.93	4.51	92		4.85	93		71-131	7		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.5	4.21	94		4.39	92		67-130	4		30
Perfluorooctanoic Acid (PFOA)	0.118J	4.93	4.75	94		5.04	95		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.69	4.67	100		4.87	98		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.69	4.24	90		4.60	93		70-132	8		30
Perfluorononanoic Acid (PFNA)	ND	4.93	4.56	93		4.84	93		72-129	6		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.57	4.59	100		4.88	101		68-136	6		30
Perfluorodecanoic Acid (PFDA)	ND	4.93	4.78	97		5.14	99		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.73	4.85	103		5.29	106		65-137	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.93	4.88	99		5.22	100		63-144	7		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.93	4.78	97		4.98	96		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.75	4.65	98		4.76	95		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	ND	4.93	4.56F	93		4.70F	90		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.93	4.63	94		4.79	92		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	ND	4.93	4.52	92		4.75	91		69-135	5		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.93	5.50	112		5.70	109		66-139	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.93	4.80	97		4.87	94		69-133	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541553-5 WG1541553-6 QC Sample: L2146522-03 Client ID: EP16_8												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134		128		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		123		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		82		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		66		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		108		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		100		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		98		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		98		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		105		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		91		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		94		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**5**	Q	**4**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		109		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		97		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		100		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		102		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1543969-3 WG1543969-4 QC Sample: L2146879-05 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	5.00	37.7	47.5	113		47.8	115		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	1.19J	37.7	44.5	115		44.2	115		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	0.726J	33.5	37.7	110		38.2	113		65-157	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.3	47.5	135		49.7	142		37-219	5		30
Perfluorohexanoic Acid (PFHxA)	0.722J	37.7	44.7	117		44.2	117		69-168	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.4	35.2	99		37.0	106		52-156	5		30
Perfluoroheptanoic Acid (PFHpA)	0.552J	37.7	42.4	111		43.2	114		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.5	39.1	113		39.4	116		69-177	1		30
Perfluorooctanoic Acid (PFOA)	1.00J	37.7	43.9	114		44.8	117		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.9	45.5	127		46.1	130		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.9	46.6	130		49.1	138		61-179	5		30
Perfluorononanoic Acid (PFNA)	0.420J	37.7	42.9	113		42.6	113		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	0.873J	35	42.5	119		42.1	119		52-151	1		30
Perfluorodecanoic Acid (PFDA)	ND	37.7	43.2	115		41.3	111		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.2	46.7	129		46.3	129		56-173	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.3	33.4	92		31.0	86		48-150	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.7	45.7	121		38.2	102		60-166	18		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.7	42.3	112		37.0	99		60-153	13		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.4	33.1	91		30.3	84		38-156	9		30
Perfluorooctanesulfonamide (FOSA)	ND	37.7	46.2	123		41.2	110		46-170	11		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.7	38.9	103		34.7	93		45-170	11		30
Perfluorododecanoic Acid (PFDoA)	ND	37.7	46.4	123		37.8	101		67-153	20		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1543969-3 WG1543969-4 QC Sample: L2146879-05 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.7	49.2	130		42.6	114		48-158	14		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.7	46.1	122		39.1	105		59-182	16		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		63		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	114		109		12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129		122		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55		51		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		47		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	69		66		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		74		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		80		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		82		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		105		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		67		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		74		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		98		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		16		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		86		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		88		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		84		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		108		70-131

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1543969-5 WG1543969-6 QC Sample: L2147164-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	4.50	37.2	45.2	109		45.8	111		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	2.96	37.2	46.1	116		45.1	113		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	1.22J	33.1	39.1	115		38.9	114		65-157	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.8	47.4	136		47.3	136		37-219	0		30
Perfluorohexanoic Acid (PFHxA)	1.70J	37.2	45.6	118		44.1	114		69-168	3		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35	36.8	105		37.1	106		52-156	1		30
Perfluoroheptanoic Acid (PFHpA)	0.918J	37.2	43.9	115		42.6	112		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	0.369J	34	41.0	119		40.6	118		69-177	1		30
Perfluorooctanoic Acid (PFOA)	2.32	37.2	45.9	117		44.2	112		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.32J	35.4	44.9	123		43.0	118		49-187	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.4	43.3	122		45.2	128		61-179	4		30
Perfluorononanoic Acid (PFNA)	0.724J	37.2	42.7	113		42.8	113		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	4.41	34.6	45.9	120		45.2	118		52-151	2		30
Perfluorodecanoic Acid (PFDA)	0.649J	37.2	42.3	112		40.2	106		63-171	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.8	48.1	135		52.8	148		56-173	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.8	34.8	97		34.0	95		48-150	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.2	42.4	114		44.1	118		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	0.522J	37.2	40.8	108		39.1	104		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.9	34.9	97		34.1	95		38-156	2		30
Perfluorooctanesulfonamide (FOSA)	ND	37.2	38.8F	104		41.0	110		46-170	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.2	38.2	103		45.5	122		45-170	17		30
Perfluorododecanoic Acid (PFDoA)	ND	37.2	43.9	118		38.5	103		67-153	13		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1543969-5 WG1543969-6 QC Sample: L2147164-04 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.2	46.8	126		45.3	122		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.2	44.9	121		44.7	120		59-182	0		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		106		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**199**	Q	**215**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**190**	Q	**210**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		58		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		62		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		78		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		82		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		77		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		104		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		78		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		77		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		97		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		101		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		28		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		97		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		94		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		89		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		107		70-131

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/21 21:08
Analyst: AD
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	16.6	J	ug/kg	35.6	3.90	1	A
Aroclor 1260	18.5	J	ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	35.1	J	ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/21 21:18
Analyst: AD
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.12	1	A
Aroclor 1221	ND		ug/kg	35.1	3.52	1	A
Aroclor 1232	ND		ug/kg	35.1	7.44	1	A
Aroclor 1242	ND		ug/kg	35.1	4.73	1	A
Aroclor 1248	ND		ug/kg	35.1	5.26	1	A
Aroclor 1254	15.4	J	ug/kg	35.1	3.84	1	B
Aroclor 1260	34.8	J	ug/kg	35.1	6.48	1	B
Aroclor 1262	ND		ug/kg	35.1	4.46	1	A
Aroclor 1268	ND		ug/kg	35.1	3.64	1	A
PCBs, Total	50.2	J	ug/kg	35.1	3.12	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/21 20:40
Analyst: AD
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.21	1	A
Aroclor 1221	ND		ug/kg	36.2	3.62	1	A
Aroclor 1232	ND		ug/kg	36.2	7.67	1	A
Aroclor 1242	ND		ug/kg	36.2	4.88	1	A
Aroclor 1248	ND		ug/kg	36.2	5.43	1	A
Aroclor 1254	7.97	J	ug/kg	36.2	3.96	1	B
Aroclor 1260	9.81	J	ug/kg	36.2	6.69	1	B
Aroclor 1262	ND		ug/kg	36.2	4.59	1	A
Aroclor 1268	ND		ug/kg	36.2	3.75	1	A
PCBs, Total	17.8	J	ug/kg	36.2	3.21	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/21 21:27
Analyst: AD
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.40	1	A
Aroclor 1232	ND		ug/kg	34.0	7.20	1	A
Aroclor 1242	ND		ug/kg	34.0	4.58	1	A
Aroclor 1248	ND		ug/kg	34.0	5.09	1	A
Aroclor 1254	ND		ug/kg	34.0	3.71	1	A
Aroclor 1260	ND		ug/kg	34.0	6.28	1	A
Aroclor 1262	ND		ug/kg	34.0	4.31	1	A
Aroclor 1268	ND		ug/kg	34.0	3.52	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/21 21:36
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1541298-1						
Aroclor 1016	ND		ug/kg	33.3	2.95	A
Aroclor 1221	ND		ug/kg	33.3	3.33	A
Aroclor 1232	ND		ug/kg	33.3	7.05	A
Aroclor 1242	ND		ug/kg	33.3	4.48	A
Aroclor 1248	ND		ug/kg	33.3	4.99	A
Aroclor 1254	ND		ug/kg	33.3	3.64	A
Aroclor 1260	ND		ug/kg	33.3	6.15	A
Aroclor 1262	ND		ug/kg	33.3	4.22	A
Aroclor 1268	ND		ug/kg	33.3	3.45	A
PCBs, Total	ND		ug/kg	33.3	2.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1541298-2 WG1541298-3									
Aroclor 1016	95		79		40-140	18		50	A
Aroclor 1260	90		75		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		72		30-150	A
Decachlorobiphenyl	86		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		76		30-150	B
Decachlorobiphenyl	89		72		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541298-4 WG1541298-5 QC Sample: L2146522-03 Client ID: EP16_8													
Aroclor 1016	ND	215	147	68		179	78		40-140	20		50	A
Aroclor 1260	9.81J	215	142	66		181	79		40-140	24		50	B

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		69		30-150	A
Decachlorobiphenyl	57		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		76		30-150	B
Decachlorobiphenyl	63		77		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/21 16:32
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.344	1	B
Lindane	ND		ug/kg	0.731	0.327	1	B
Alpha-BHC	ND		ug/kg	0.731	0.208	1	B
Beta-BHC	ND		ug/kg	1.75	0.665	1	B
Heptachlor	ND		ug/kg	0.877	0.393	1	B
Aldrin	ND		ug/kg	1.75	0.618	1	B
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	B
Endrin	ND		ug/kg	0.731	0.300	1	B
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	B
Endrin ketone	ND		ug/kg	1.75	0.452	1	B
Dieldrin	ND		ug/kg	1.10	0.548	1	B
4,4'-DDE	7.13	P	ug/kg	1.75	0.406	1	B
4,4'-DDD	8.31	P	ug/kg	1.75	0.626	1	B
4,4'-DDT	ND		ug/kg	3.29	1.41	1	B
Endosulfan I	ND		ug/kg	1.75	0.414	1	B
Endosulfan II	ND		ug/kg	1.75	0.586	1	B
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	B
Methoxychlor	ND		ug/kg	3.29	1.02	1	B
Toxaphene	ND		ug/kg	32.9	9.21	1	B
cis-Chlordane	ND		ug/kg	2.19	0.611	1	B
trans-Chlordane	ND		ug/kg	2.19	0.579	1	B
Chlordane	ND		ug/kg	14.6	5.81	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01 Date Collected: 08/30/21 09:00

Client ID: EP10_2 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	A
Decachlorobiphenyl	**14**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/04/21 00:57
Analyst: AR
Percent Solids: 91%
Methylation Date: 09/03/21 10:15

Extraction Method: EPA 8151A
Extraction Date: 09/01/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.67	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/21 16:43
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	B
Lindane	ND		ug/kg	0.712	0.318	1	B
Alpha-BHC	ND		ug/kg	0.712	0.202	1	B
Beta-BHC	ND		ug/kg	1.71	0.648	1	B
Heptachlor	ND		ug/kg	0.854	0.383	1	B
Aldrin	ND		ug/kg	1.71	0.602	1	B
Heptachlor epoxide	ND		ug/kg	3.20	0.961	1	B
Endrin	ND		ug/kg	0.712	0.292	1	B
Endrin aldehyde	ND		ug/kg	2.14	0.748	1	B
Endrin ketone	ND		ug/kg	1.71	0.440	1	B
Dieldrin	ND		ug/kg	1.07	0.534	1	B
4,4'-DDE	6.11	P	ug/kg	1.71	0.395	1	B
4,4'-DDD	9.02	P	ug/kg	1.71	0.609	1	B
4,4'-DDT	ND		ug/kg	3.20	1.37	1	B
Endosulfan I	ND		ug/kg	1.71	0.404	1	B
Endosulfan II	ND		ug/kg	1.71	0.571	1	B
Endosulfan sulfate	ND		ug/kg	0.712	0.339	1	B
Methoxychlor	ND		ug/kg	3.20	0.997	1	B
Toxaphene	ND		ug/kg	32.0	8.97	1	B
cis-Chlordane	ND		ug/kg	2.14	0.595	1	B
trans-Chlordane	ND		ug/kg	2.14	0.564	1	B
Chlordane	ND		ug/kg	14.2	5.66	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02 Date Collected: 08/30/21 00:00

Client ID: EPDUP01_083021 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	**27**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/04/21 01:15
Analyst: AR
Percent Solids: 91%
Methylation Date: 09/03/21 10:15

Extraction Method: EPA 8151A
Extraction Date: 09/01/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.66	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	93		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/04/21 10:44
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	B
Lindane	ND		ug/kg	0.715	0.319	1	B
Alpha-BHC	ND		ug/kg	0.715	0.203	1	B
Beta-BHC	ND		ug/kg	1.72	0.650	1	B
Heptachlor	ND		ug/kg	0.858	0.384	1	B
Aldrin	ND		ug/kg	1.72	0.604	1	B
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	B
Endrin	ND		ug/kg	0.715	0.293	1	B
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	B
Endrin ketone	ND		ug/kg	1.72	0.442	1	B
Dieldrin	ND		ug/kg	1.07	0.536	1	B
4,4'-DDE	1.39	J	ug/kg	1.72	0.397	1	B
4,4'-DDD	ND		ug/kg	1.72	0.612	1	B
4,4'-DDT	ND		ug/kg	3.22	1.38	1	B
Endosulfan I	ND		ug/kg	1.72	0.405	1	B
Endosulfan II	ND		ug/kg	1.72	0.573	1	B
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	B
Methoxychlor	ND		ug/kg	3.22	1.00	1	B
Toxaphene	ND		ug/kg	32.2	9.00	1	B
cis-Chlordane	ND		ug/kg	2.14	0.597	1	B
trans-Chlordane	ND		ug/kg	2.14	0.566	1	B
Chlordane	ND		ug/kg	14.3	5.68	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03 Date Collected: 08/30/21 10:00

Client ID: EP16_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**29**	Q	30-150	A
Decachlorobiphenyl	**21**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/04/21 00:02
Analyst: AR
Percent Solids: 91%
Methylation Date: 09/03/21 10:15

Extraction Method: EPA 8151A
Extraction Date: 09/01/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.4	1	A
2,4,5-T	ND		ug/kg	180	5.60	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/21 16:54
Analyst: SDC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.319	1	B
Lindane	ND		ug/kg	0.679	0.303	1	B
Alpha-BHC	ND		ug/kg	0.679	0.193	1	B
Beta-BHC	ND		ug/kg	1.63	0.618	1	B
Heptachlor	ND		ug/kg	0.814	0.365	1	B
Aldrin	ND		ug/kg	1.63	0.574	1	B
Heptachlor epoxide	ND		ug/kg	3.05	0.916	1	B
Endrin	ND		ug/kg	0.679	0.278	1	B
Endrin aldehyde	ND		ug/kg	2.04	0.713	1	B
Endrin ketone	ND		ug/kg	1.63	0.419	1	B
Dieldrin	ND		ug/kg	1.02	0.509	1	B
4,4'-DDE	ND		ug/kg	1.63	0.377	1	B
4,4'-DDD	ND		ug/kg	1.63	0.581	1	B
4,4'-DDT	ND		ug/kg	3.05	1.31	1	B
Endosulfan I	ND		ug/kg	1.63	0.385	1	B
Endosulfan II	ND		ug/kg	1.63	0.544	1	B
Endosulfan sulfate	ND		ug/kg	0.679	0.323	1	B
Methoxychlor	ND		ug/kg	3.05	0.950	1	B
Toxaphene	ND		ug/kg	30.5	8.55	1	B
cis-Chlordane	ND		ug/kg	2.04	0.567	1	B
trans-Chlordane	ND		ug/kg	2.04	0.538	1	B
Chlordane	ND		ug/kg	13.6	5.40	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146522

Project Number: 170229024 **Report Date:** 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04 Date Collected: 08/30/21 10:40

Client ID: EP22_8 Date Received: 08/30/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	**20**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/04/21 01:33
Analyst: AR
Percent Solids: 96%
Methylation Date: 09/03/21 13:00

Extraction Method: EPA 8151A
Extraction Date: 09/01/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	171	10.8	1	A
2,4,5-T	ND		ug/kg	171	5.30	1	A
2,4,5-TP (Silvex)	ND		ug/kg	171	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	69		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/04/21 10:11
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1541441-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.867	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.674	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.899	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.8	5.10	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/04/21 10:11
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 19:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1541441-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/02/21 21:26
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 09/01/21 11:42

Methylation Date: 09/02/21 16:21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1541733-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.03	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1541441-2 WG1541441-3									
Delta-BHC	68		76		30-150	11		30	A
Lindane	68		76		30-150	11		30	A
Alpha-BHC	68		76		30-150	11		30	A
Beta-BHC	74		83		30-150	11		30	A
Heptachlor	72		81		30-150	12		30	A
Aldrin	65		72		30-150	10		30	A
Heptachlor epoxide	56		64		30-150	13		30	A
Endrin	63		69		30-150	9		30	A
Endrin aldehyde	48		51		30-150	6		30	A
Endrin ketone	52		64		30-150	21		30	A
Dieldrin	68		75		30-150	10		30	A
4,4'-DDE	65		72		30-150	10		30	A
4,4'-DDD	65		74		30-150	13		30	A
4,4'-DDT	67		76		30-150	13		30	A
Endosulfan I	63		70		30-150	11		30	A
Endosulfan II	58		69		30-150	17		30	A
Endosulfan sulfate	43		53		30-150	21		30	A
Methoxychlor	69		69		30-150	0		30	A
cis-Chlordane	66		74		30-150	11		30	A
trans-Chlordane	66		77		30-150	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1541441-2 WG1541441-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		78		30-150	A
Decachlorobiphenyl	67		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		82		30-150	B
Decachlorobiphenyl	79		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1541733-2 WG1541733-3									
2,4-D	83		67		30-150	21		30	A
2,4,5-T	79		61		30-150	26		30	A
2,4,5-TP (Silvex)	80		64		30-150	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		76		30-150	A
DCAA	82		69		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541441-4 WG1541441-5 QC Sample: L2146522-03 Client ID: EP16_8													
Delta-BHC	ND	35.3	29.0P	82		24.1P	66		30-150	18		50	B
Lindane	ND	35.3	30.6P	87		27.5P	75		30-150	11		50	B
Alpha-BHC	ND	35.3	23.3P	66		21.2P	58		30-150	9		50	B
Beta-BHC	ND	35.3	22.8P	65		21.8P	60		30-150	4		50	B
Heptachlor	ND	35.3	28.3P	80		26.5P	73		30-150	7		50	B
Aldrin	ND	35.3	26.5P	75		24.2P	66		30-150	9		50	B
Heptachlor epoxide	ND	35.3	32.3P	91		30.4P	83		30-150	6		50	B
Endrin	ND	35.3	19.7P	56		20.5P	56		30-150	4		50	B
Endrin aldehyde	ND	35.3	24.0P	68		22.5P	62		30-150	6		50	B
Endrin ketone	ND	35.3	29.5P	84		24.6P	67		30-150	18		50	B
Dieldrin	ND	35.3	26.3P	74		25.6P	70		30-150	3		50	B
4,4'-DDE	1.39J	35.3	22.2P	63		23.1P	63		30-150	4		50	B
4,4'-DDD	ND	35.3	28.1P	80		28.7P	79		30-150	2		50	B
4,4'-DDT	ND	35.3	29.7P	84		27.2P	75		30-150	9		50	B
Endosulfan I	ND	35.3	23.0P	65		21.9P	60		30-150	5		50	B
Endosulfan II	ND	35.3	26.9P	76		23.1P	63		30-150	15		50	B
Endosulfan sulfate	ND	35.3	27.5P	78		27.1P	74		30-150	1		50	B
Methoxychlor	ND	35.3	28.5P	81		25.4P	70		30-150	12		50	B
cis-Chlordane	ND	35.3	23.9P	68		23.0P	63		30-150	4		50	B
trans-Chlordane	ND	35.3	4950PE	**14000**	Q	4920PE	**13500**	Q	30-150	1		50	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541441-4 WG1541441-5 QC Sample: L2146522-03 Client ID: EP16_8

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**26**	Q	**20**	Q	30-150	A
Decachlorobiphenyl	**21**	Q	**18**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		63		30-150	B
Decachlorobiphenyl	123		97		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541733-4 WG1541733-5 QC Sample: L2146522-03 Client ID: EP16_8													
2,4-D	ND	179	140J	78		142J	79		30-150	1		30	A
2,4,5-T	ND	179	136J	76		136J	76		30-150	0		30	A
2,4,5-TP (Silvex)	ND	179	139J	78		137J	76		30-150	1		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	88		84		30-150	A
DCAA	82		77		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY
Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8430		mg/kg	8.65	2.34	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Antimony, Total	0.407	J	mg/kg	4.33	0.329	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Arsenic, Total	18.4		mg/kg	0.865	0.180	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Barium, Total	136		mg/kg	0.865	0.150	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Beryllium, Total	6.26		mg/kg	0.433	0.029	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.865	0.085	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Calcium, Total	53900		mg/kg	43.3	15.1	10	09/01/21 06:30	09/09/21 13:49	EPA 3050B	1,6010D	SV
Chromium, Total	63.7		mg/kg	0.865	0.083	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Cobalt, Total	30.5		mg/kg	1.73	0.144	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Copper, Total	471		mg/kg	0.865	0.223	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Iron, Total	32200		mg/kg	4.33	0.781	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Lead, Total	330		mg/kg	4.33	0.232	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Magnesium, Total	23300		mg/kg	8.65	1.33	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Manganese, Total	346		mg/kg	0.865	0.138	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Mercury, Total	0.249		mg/kg	0.070	0.046	1	09/01/21 09:25	09/02/21 12:44	EPA 7471B	1,7471B	NB
Nickel, Total	56.5		mg/kg	2.16	0.209	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Potassium, Total	1240		mg/kg	216	12.5	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Selenium, Total	0.909	J	mg/kg	1.73	0.223	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.865	0.245	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Sodium, Total	816		mg/kg	173	2.73	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Vanadium, Total	36.6		mg/kg	0.865	0.176	2	09/01/21 06:30	09/02/21 14:55	EPA 3050B	1,6010D	SV
Zinc, Total	2990		mg/kg	21.6	1.27	10	09/01/21 06:30	09/09/21 13:49	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	64		mg/kg	0.88	0.88	1		09/07/21 16:44	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY
Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6420		mg/kg	8.28	2.24	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Antimony, Total	1.90	J	mg/kg	4.14	0.315	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Arsenic, Total	15.6		mg/kg	0.828	0.172	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Barium, Total	121		mg/kg	0.828	0.144	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Beryllium, Total	8.64		mg/kg	0.414	0.027	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.828	0.081	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Calcium, Total	28900		mg/kg	8.28	2.90	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Chromium, Total	65.8		mg/kg	0.828	0.080	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Cobalt, Total	40.3		mg/kg	1.66	0.137	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Copper, Total	529		mg/kg	0.828	0.214	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Iron, Total	30400		mg/kg	4.14	0.748	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Lead, Total	385		mg/kg	4.14	0.222	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Magnesium, Total	13300		mg/kg	8.28	1.28	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Manganese, Total	274		mg/kg	0.828	0.132	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Mercury, Total	0.248		mg/kg	0.069	0.045	1	09/01/21 09:25	09/02/21 12:48	EPA 7471B	1,7471B	NB
Nickel, Total	66.8		mg/kg	2.07	0.200	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Potassium, Total	980		mg/kg	207	11.9	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Selenium, Total	0.430	J	mg/kg	1.66	0.214	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.828	0.234	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Sodium, Total	1120		mg/kg	166	2.61	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.66	0.261	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Vanadium, Total	31.9		mg/kg	0.828	0.168	2	09/01/21 06:30	09/02/21 15:00	EPA 3050B	1,6010D	SV
Zinc, Total	3150		mg/kg	20.7	1.21	10	09/01/21 06:30	09/08/21 22:35	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	66		mg/kg	0.88	0.88	1		09/07/21 16:45	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY
Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3740		mg/kg	8.46	2.28	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Antimony, Total	0.905	J	mg/kg	4.23	0.321	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Arsenic, Total	13.0		mg/kg	0.846	0.176	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Barium, Total	102		mg/kg	0.846	0.147	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Beryllium, Total	0.313	J	mg/kg	0.423	0.028	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.846	0.083	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Calcium, Total	44300		mg/kg	8.46	2.96	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Chromium, Total	13.1		mg/kg	0.846	0.081	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Cobalt, Total	4.91		mg/kg	1.69	0.140	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Copper, Total	75.2		mg/kg	0.846	0.218	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Iron, Total	15800		mg/kg	4.23	0.764	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Lead, Total	254		mg/kg	4.23	0.227	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Magnesium, Total	23400		mg/kg	8.46	1.30	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Manganese, Total	164		mg/kg	0.846	0.134	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Mercury, Total	0.394		mg/kg	0.069	0.045	1	09/01/21 09:25	09/02/21 12:08	EPA 7471B	1,7471B	NB
Nickel, Total	11.7		mg/kg	2.11	0.205	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Potassium, Total	523		mg/kg	211	12.2	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Selenium, Total	0.677	J	mg/kg	1.69	0.218	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.846	0.239	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Sodium, Total	221		mg/kg	169	2.66	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.69	0.266	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Vanadium, Total	19.2		mg/kg	0.846	0.172	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
Zinc, Total	132		mg/kg	4.23	0.248	2	09/01/21 06:30	09/02/21 13:03	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.88	0.88	1		09/07/21 16:45	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2146522
Project Number: 170229024
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY
Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3130		mg/kg	8.07	2.18	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Antimony, Total	1.60	J	mg/kg	4.03	0.306	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Arsenic, Total	14.8		mg/kg	0.807	0.168	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Barium, Total	268		mg/kg	0.807	0.140	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Beryllium, Total	0.306	J	mg/kg	0.403	0.027	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Cadmium, Total	0.629	J	mg/kg	0.807	0.079	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Calcium, Total	1380		mg/kg	8.07	2.82	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Chromium, Total	14.2		mg/kg	0.807	0.077	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Cobalt, Total	5.38		mg/kg	1.61	0.134	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Copper, Total	98.4		mg/kg	0.807	0.208	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Iron, Total	18400		mg/kg	4.03	0.728	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Lead, Total	542		mg/kg	4.03	0.216	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Magnesium, Total	947		mg/kg	8.07	1.24	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Manganese, Total	113		mg/kg	0.807	0.128	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Mercury, Total	0.374		mg/kg	0.065	0.043	1	09/01/21 09:25	09/02/21 12:51	EPA 7471B	1,7471B	NB
Nickel, Total	12.7		mg/kg	2.02	0.195	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Potassium, Total	483		mg/kg	202	11.6	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Selenium, Total	1.18	J	mg/kg	1.61	0.208	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.807	0.228	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Sodium, Total	86.6	J	mg/kg	161	2.54	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.61	0.254	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Vanadium, Total	21.5		mg/kg	0.807	0.164	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
Zinc, Total	460		mg/kg	4.03	0.236	2	09/01/21 06:30	09/02/21 15:14	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.84	0.84	1		09/07/21 16:46	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1541207-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Iron, Total	0.868	J	mg/kg	2.00	0.361	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Sodium, Total	15.1	J	mg/kg	80.0	1.26	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/01/21 06:30	09/02/21 12:45	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1541217-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/01/21 09:25	09/02/21 12:01	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541207-2 SRM Lot Number: D109-540								
Aluminum, Total	69		-		50-150	-		
Antimony, Total	154		-		19-250	-		
Arsenic, Total	107		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	92		-		75-125	-		
Cadmium, Total	104		-		75-125	-		
Calcium, Total	94		-		73-128	-		
Chromium, Total	105		-		70-130	-		
Cobalt, Total	102		-		75-125	-		
Copper, Total	106		-		75-125	-		
Iron, Total	101		-		35-165	-		
Lead, Total	103		-		72-128	-		
Magnesium, Total	90		-		62-138	-		
Manganese, Total	90		-		74-126	-		
Nickel, Total	102		-		70-130	-		
Potassium, Total	88		-		59-141	-		
Selenium, Total	104		-		68-132	-		
Silver, Total	106		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	100		-		68-131	-		
Vanadium, Total	105		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541207-2 SRM Lot Number: D109-540					
Zinc, Total	101	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1541217-2 SRM Lot Number: D109-540					
Mercury, Total	94	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541207-3 WG1541207-4 QC Sample: L2146522-03 Client ID: EP16_8												
Aluminum, Total	3740	173	4410	**386**	Q	4540	**481**	Q	75-125	3		20
Antimony, Total	0.905J	43.4	40.1	92		38.1	92		75-125	5		20
Arsenic, Total	13.0	10.4	23.7	103		26.2	**132**	Q	75-125	10		20
Barium, Total	102	173	271	97		262	96		75-125	3		20
Beryllium, Total	0.313J	4.34	4.13	95		4.15	100		75-125	0		20
Cadmium, Total	ND	4.6	4.40	96		4.14	94		75-125	6		20
Calcium, Total	44300	867	37500	**0**	Q	37800	**0**	Q	75-125	1		20
Chromium, Total	13.1	17.3	29.9	97		30.7	106		75-125	3		20
Cobalt, Total	4.91	43.4	45.1	93		43.7	93		75-125	3		20
Copper, Total	75.2	21.7	77.2	**9**	Q	88.7	**65**	Q	75-125	14		20
Iron, Total	15800	86.7	13900	**0**	Q	16500	**842**	Q	75-125	17		20
Lead, Total	254	46	327	**159**	Q	582	**744**	Q	75-125	**56**	Q	20
Magnesium, Total	23400	867	20800	**0**	Q	20600	**0**	Q	75-125	1		20
Manganese, Total	164	43.4	178	**32**	Q	190	**62**	Q	75-125	7		20
Nickel, Total	11.7	43.4	49.5	87		48.8	89		75-125	1		20
Potassium, Total	523	867	1490	112		1480	115		75-125	1		20
Selenium, Total	0.677J	10.4	11.4	110		10.7	107		75-125	6		20
Silver, Total	ND	26	26.4	101		26.0	104		75-125	2		20
Sodium, Total	221	867	1140	106		1130	109		75-125	1		20
Thallium, Total	ND	10.4	9.13	88		8.55	86		75-125	7		20
Vanadium, Total	19.2	43.4	59.8	94		64.7	109		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541207-3 WG1541207-4 QC Sample: L2146522-03 Client ID: EP16_8											
Zinc, Total	132	43.4	206	**171**	Q	187	**132**	Q	75-125	10	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541217-3 WG1541217-4 QC Sample: L2146522-03 Client ID: EP16_8											
Mercury, Total	0.394	0.139	0.500	**76**	Q	0.500	**77**	Q	80-120	0	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1541207-6 QC Sample: L2146522-03 Client ID: EP16_8						
Aluminum, Total	3740	3940	mg/kg	5		20
Barium, Total	102	106	mg/kg	4		20
Calcium, Total	44300	48400	mg/kg	9		20
Copper, Total	75.2	81.6	mg/kg	9		20
Iron, Total	15800	17200	mg/kg	9		20
Lead, Total	254	285	mg/kg	12		20
Magnesium, Total	23400	25700	mg/kg	10		20
Manganese, Total	164	178	mg/kg	9		20
Zinc, Total	132	146	mg/kg	11		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-01
Client ID: EP10_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/30/21 09:00
Date Received: 08/30/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	08/31/21 21:54	121,2540G	KL
Chromium, Hexavalent	ND		mg/kg	0.882	0.176	1	09/03/21 11:30	09/07/21 16:44	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-02
Client ID: EPDUP01_083021
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/30/21 00:00
Date Received: 08/30/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	08/31/21 21:54	121,2540G	KL
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	09/03/21 11:30	09/07/21 16:45	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-03
Client ID: EP16_8
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/30/21 10:00
Date Received: 08/30/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	08/31/21 21:54	121,2540G	KL
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	09/03/21 11:30	09/07/21 16:45	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

SAMPLE RESULTS

Lab ID: L2146522-04
Client ID: EP22_8
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/30/21 10:40
Date Received: 08/30/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	08/31/21 21:54	121,2540G	KL
Chromium, Hexavalent	1.78		mg/kg	0.835	0.167	1	09/03/21 11:30	09/07/21 16:46	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146522
Report Date: 01/05/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1542206-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/03/21 11:30	09/07/21 15:55	1,7196A	NL

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146522

Report Date: 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1542206-2								
Chromium, Hexavalent	83		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542206-4 WG1542206-5 QC Sample: L2146522-03 Client ID: EP16_8												
Chromium, Hexavalent	ND	824	694	84		647	82		75-125	7		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1541463-1 QC Sample: L2146522-03 Client ID: EP16_8						
Solids, Total	90.8	90.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1542206-7 QC Sample: L2146522-03 Client ID: EP16_8						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146522-01A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-01B	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-01C	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2146522-01E	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-01F	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-01G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-01H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146522-01J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-02A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-02B	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-02C	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2146522-02E	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-02F	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-02G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-02H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146522-02J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-03A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-03A1	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-03A2	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-03B	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03B1	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03B2	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03C	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03C1	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03C2	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2146522-03D1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2146522-03D2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2146522-03E	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-03E1	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-03E2	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-03F	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-03F1	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-03F2	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-03G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146522
Report Date: 01/05/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146522-03G1	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-03G2	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-03H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146522-03H1	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146522-03H2	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146522-03J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-03J1	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-03J2	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-04A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2146522-04B	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-04C	Vial water preserved	A	NA		4.6	Y	Absent	31-AUG-21 06:12	NYTCL-8260HLW(14)
L2146522-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2146522-04E	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2146522-04F	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2146522-04G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-04H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146522-04J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146522-05A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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Lab Number: L2146522
Report Date: 01/05/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146522
Project Number:	170229024	**Report Date:**	01/05/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/31/21

ALPHA Job #: L2146522

Client Information

Client: Langan DPC
Address: 360 W 31th Street
New York NY 1000
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project # 170229029
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticide/Herbicide	TAL Metal/Hexafri	PFAS	1,4 dioxane		Sample Specific Comments	Total Bottle
46522 -01	EP10-2	8/30/21	0900	Soil	YMD	X	X	X	X	X	X	X			
-02	EPDUP01-083021	↓	[illegible]	↓	↓	X	X	X	X	X	X	X			
-03	EP16-8	↓	1000	↓	↓	X	X	X	X	X	X	X			
↓	EP16-8_MS01	↓	1002	↓	↓	X	X	X	X	X	X	X		Matrix Spike	
↓	EP16-8_MSD01	↓	1010	↓	↓	X	X	X	X	X	X	X		Matrix Spike Dup	
-04	EP22-8	↓	1040	↓	↓	X	X	X	X	X	X	X			
-05	PFB08_083021	↓	1231	AQ	↓						X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/30/21 18:20	[signature]	8/30/21 18:20
[signature]	8/30/21 19:20	[signature] AAL	8/30/21 22:00
[signature] AAL	8/31/21 02:00	[signature]	8/31/21 02:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2146746
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/10/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2146746-01	EP23_8	SOIL	BROOKLYN, NY	08/31/21 08:22	08/31/21
L2146746-02	EP24_2	SOIL	BROOKLYN, NY	08/31/21 09:22	08/31/21
L2146746-03	PFB09_083121	WATER	BROOKLYN, NY	08/31/21 12:00	08/31/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146746
Project Number:	170229024	**Report Date:**	09/10/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146746
Project Number:	170229024	**Report Date:**	09/10/21

Case Narrative (continued)

Report Submission

September 10, 2021: This final report includes the results of all requested analyses.

September 07, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2146746-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1543753-1 Method Blank, associated with L2146746-03, has a concentration above the reporting limit for 6:2 FTS. Since the associated sample concentration is non-detect to the reporting limit, no corrective action is required.

The WG1543838-2 LCS recovery, associated with L2146746-01 and -02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (140%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

Total Metals

L2146746-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/10/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 22:16
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.9	0.83	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.80	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.9	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.27	1
p-Chlorotoluene	ND		ug/kg	2.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.7	0.93	1
Acrylonitrile	ND		ug/kg	5.7	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	110	50.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.25	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.27	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	120		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY
Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/21 22:41
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.39	1
Tetrachloroethene	ND		ug/kg	0.73	0.28	1
Chlorobenzene	ND		ug/kg	0.73	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	ND		ug/kg	1.4	0.79	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.4	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	7.0	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.73	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.8	0.94	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	129		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1542793-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1542793-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 20:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1542793-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.30	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.54	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.39	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.27	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	118		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1542793-3 WG1542793-4								
Methylene chloride	100		100		70-130	0		30
1,1-Dichloroethane	100		101		70-130	1		30
Chloroform	107		109		70-130	2		30
Carbon tetrachloride	**133**	Q	**134**	Q	70-130	1		30
1,2-Dichloropropane	93		96		70-130	3		30
Dibromochloromethane	116		123		70-130	6		30
1,1,2-Trichloroethane	91		96		70-130	5		30
Tetrachloroethene	124		125		70-130	1		30
Chlorobenzene	106		107		70-130	1		30
Trichlorofluoromethane	134		132		70-139	2		30
1,2-Dichloroethane	108		111		70-130	3		30
1,1,1-Trichloroethane	128		129		70-130	1		30
Bromodichloromethane	112		117		70-130	4		30
trans-1,3-Dichloropropene	106		110		70-130	4		30
cis-1,3-Dichloropropene	108		112		70-130	4		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	82		86		70-130	5		30
Benzene	102		104		70-130	2		30
Toluene	99		100		70-130	1		30
Ethylbenzene	103		104		70-130	1		30
Chloromethane	87		86		52-130	1		30
Bromomethane	**154**	Q	146		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1542793-3 WG1542793-4								
Vinyl chloride	98		90		67-130	9		30
Chloroethane	100		99		50-151	1		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	109		109		70-130	0		30
Trichloroethene	114		116		70-130	2		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	107		109		70-130	2		30
1,4-Dichlorobenzene	106		105		70-130	1		30
Methyl tert butyl ether	104		108		66-130	4		30
p/m-Xylene	110		111		70-130	1		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	99		104		70-130	5		30
Styrene	103		104		70-130	1		30
Dichlorodifluoromethane	82		83		30-146	1		30
Acetone	88		88		54-140	0		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		82		70-130	6		30
Vinyl acetate	81		85		70-130	5		30
4-Methyl-2-pentanone	83		87		70-130	5		30
1,2,3-Trichloropropane	82		89		68-130	8		30
2-Hexanone	**67**	Q	72		70-130	7		30
Bromochloromethane	112		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1542793-3 WG1542793-4								
2,2-Dichloropropane	123		122		70-130	1		30
1,2-Dibromoethane	96		100		70-130	4		30
1,3-Dichloropropane	96		99		69-130	3		30
1,1,1,2-Tetrachloroethane	119		124		70-130	4		30
Bromobenzene	107		108		70-130	1		30
n-Butylbenzene	102		102		70-130	0		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	110		110		70-130	0		30
o-Chlorotoluene	103		102		70-130	1		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	98		104		68-130	6		30
Hexachlorobutadiene	123		121		67-130	2		30
Isopropylbenzene	106		106		70-130	0		30
p-Isopropyltoluene	109		109		70-130	0		30
Naphthalene	90		98		70-130	9		30
Acrylonitrile	77		82		70-130	6		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	104		109		70-130	5		30
1,2,4-Trichlorobenzene	110		113		70-130	3		30
1,3,5-Trimethylbenzene	104		106		70-130	2		30
1,2,4-Trimethylbenzene	104		105		70-130	1		30
1,4-Dioxane	88		93		65-136	6		30
p-Diethylbenzene	108		108		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1542793-3 WG1542793-4								
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		30
Ethyl ether	90		94		67-130	4		30
trans-1,4-Dichloro-2-butene	82		91		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		107		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	105		107		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/03/21 05:47
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	4200		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	320		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	2300		ug/kg	110	21.	1
Benzo(a)pyrene	2300		ug/kg	150	45.	1
Benzo(b)fluoranthene	2800		ug/kg	110	31.	1
Benzo(k)fluoranthene	990		ug/kg	110	30.	1
Chrysene	2300		ug/kg	110	19.	1
Acenaphthylene	280		ug/kg	150	28.	1
Anthracene	870		ug/kg	110	36.	1
Benzo(ghi)perylene	1400		ug/kg	150	22.	1
Fluorene	420		ug/kg	180	18.	1
Phenanthrene	3300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	350		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	26.	1
Pyrene	3900		ug/kg	110	18.	1
Biphenyl	65	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	290		ug/kg	180	18.	1
2-Methylnaphthalene	140	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	33	J	ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	360		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	115		10-136
4-Terphenyl-d14	89		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 22:40
Analyst: RS
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.025	J	ng/g	0.547	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.547	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.273	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.547	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.273	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.273	0.066	1
Perfluorooctanoic Acid (PFOA)	0.137	J	ng/g	0.273	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.547	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.547	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.273	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.273	0.142	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.273	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.547	0.314	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.547	0.220	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.547	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.547	0.167	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.547	0.107	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.547	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.547	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.547	0.224	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.547	0.059	1
PFOA/PFOS, Total	0.137	J	ng/g	0.273	0.046	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**68**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/03/21 07:16
Analyst: IM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	840		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	70	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	380		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	400		ug/kg	100	19.	1
Benzo(a)pyrene	380		ug/kg	140	42.	1
Benzo(b)fluoranthene	500		ug/kg	100	29.	1
Benzo(k)fluoranthene	180		ug/kg	100	27.	1
Chrysene	450		ug/kg	100	18.	1
Acenaphthylene	51	J	ug/kg	140	26.	1
Anthracene	140		ug/kg	100	33.	1
Benzo(ghi)perylene	270		ug/kg	140	20.	1
Fluorene	43	J	ug/kg	170	17.	1
Phenanthrene	610		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	140	24.	1
Pyrene	760		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	41	J	ug/kg	170	16.	1
2-Methylnaphthalene	55	J	ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	46	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	63		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 22:56
Analyst: RS
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.039	J	ng/g	0.485	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.140	J	ng/g	0.485	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.243	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.117	J	ng/g	0.485	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.243	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.243	0.059	1
Perfluorooctanoic Acid (PFOA)	0.076	J	ng/g	0.243	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.485	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.485	0.132	1
Perfluorononanoic Acid (PFNA)	0.083	J	ng/g	0.243	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.856		ng/g	0.243	0.126	1
Perfluorodecanoic Acid (PFDA)	0.189	J	ng/g	0.243	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.485	0.278	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.485	0.196	1
Perfluoroundecanoic Acid (PFUnA)	0.278	J	ng/g	0.485	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.485	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.485	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.485	0.082	1
Perfluorododecanoic Acid (PFDoA)	0.132	J	ng/g	0.485	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.485	0.198	1
Perfluorotetradecanoic Acid (PFTA)	0.100	J	ng/g	0.485	0.052	1
PFOA/PFOS, Total	0.932	J	ng/g	0.243	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-03
Client ID: PFB09_083121
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 12:00
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 20:11
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.365	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.79	0.451	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.580	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.877	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.519	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.720	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	ND		ng/l	1.79	0.211	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-03 Date Collected: 08/31/21 12:00

Client ID: PFB09_083121 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1541292-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1541292-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/21 16:16
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/31/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1541292-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	129		10-136
4-Terphenyl-d14	119		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 16:01
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 04:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1543753-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.68		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 16:01
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 04:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1543753-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 21:33
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1543838-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/21 21:33
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/08/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1543838-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1541292-2 WG1541292-3								
Acenaphthene	105		107		31-137	2		50
1,2,4-Trichlorobenzene	106		104		38-107	2		50
Hexachlorobenzene	116		116		40-140	0		50
Bis(2-chloroethyl)ether	99		96		40-140	3		50
2-Chloronaphthalene	108		107		40-140	1		50
1,2-Dichlorobenzene	99		94		40-140	5		50
1,3-Dichlorobenzene	97		94		40-140	3		50
1,4-Dichlorobenzene	99		94		28-104	5		50
3,3'-Dichlorobenzidine	87		89		40-140	2		50
2,4-Dinitrotoluene	121		121		40-132	0		50
2,6-Dinitrotoluene	120		118		40-140	2		50
Fluoranthene	113		110		40-140	3		50
4-Chlorophenyl phenyl ether	110		110		40-140	0		50
4-Bromophenyl phenyl ether	118		116		40-140	2		50
Bis(2-chloroisopropyl)ether	85		85		40-140	0		50
Bis(2-chloroethoxy)methane	106		105		40-117	1		50
Hexachlorobutadiene	101		98		40-140	3		50
Hexachlorocyclopentadiene	106		105		40-140	1		50
Hexachloroethane	97		93		40-140	4		50
Isophorone	107		105		40-140	2		50
Naphthalene	101		100		40-140	1		50
Nitrobenzene	103		102		40-140	1		50
NDPA/DPA	113		112		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1541292-2 WG1541292-3								
n-Nitrosodi-n-propylamine	100		100		32-121	0		50
Bis(2-ethylhexyl)phthalate	119		119		40-140	0		50
Butyl benzyl phthalate	119		117		40-140	2		50
Di-n-butylphthalate	122		120		40-140	2		50
Di-n-octylphthalate	120		119		40-140	1		50
Diethyl phthalate	116		113		40-140	3		50
Dimethyl phthalate	118		117		40-140	1		50
Benzo(a)anthracene	104		106		40-140	2		50
Benzo(a)pyrene	111		110		40-140	1		50
Benzo(b)fluoranthene	115		109		40-140	5		50
Benzo(k)fluoranthene	110		112		40-140	2		50
Chrysene	107		107		40-140	0		50
Acenaphthylene	113		113		40-140	0		50
Anthracene	110		108		40-140	2		50
Benzo(ghi)perylene	113		113		40-140	0		50
Fluorene	112		110		40-140	2		50
Phenanthrene	108		107		40-140	1		50
Dibenzo(a,h)anthracene	113		113		40-140	0		50
Indeno(1,2,3-cd)pyrene	113		114		40-140	1		50
Pyrene	112		110		35-142	2		50
Biphenyl	112		112		37-127	0		50
4-Chloroaniline	64		67		40-140	5		50
2-Nitroaniline	116		118		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1541292-2 WG1541292-3								
3-Nitroaniline	96		95		26-129	1		50
4-Nitroaniline	109		109		41-125	0		50
Dibenzofuran	111		110		40-140	1		50
2-Methylnaphthalene	105		104		40-140	1		50
1,2,4,5-Tetrachlorobenzene	107		106		40-117	1		50
Acetophenone	105		105		14-144	0		50
2,4,6-Trichlorophenol	112		111		30-130	1		50
p-Chloro-m-cresol	**112**	Q	**113**	Q	26-103	1		50
2-Chlorophenol	**106**	Q	**106**	Q	25-102	0		50
2,4-Dichlorophenol	118		118		30-130	0		50
2,4-Dimethylphenol	114		114		30-130	0		50
2-Nitrophenol	115		116		30-130	1		50
4-Nitrophenol	**121**	Q	**120**	Q	11-114	1		50
2,4-Dinitrophenol	105		106		4-130	1		50
4,6-Dinitro-o-cresol	124		122		10-130	2		50
Pentachlorophenol	108		108		17-109	0		50
Phenol	**103**	Q	**104**	Q	26-90	1		50
2-Methylphenol	109		107		30-130.	2		50
3-Methylphenol/4-Methylphenol	111		113		30-130	2		50
2,4,5-Trichlorophenol	118		119		30-130	1		50
Benzoic Acid	55		64		10-110	15		50
Benzyl Alcohol	108		106		40-140	2		50
Carbazole	109		108		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1541292-2 WG1541292-3								
1,4-Dioxane	62		57		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	99		98		25-120
Phenol-d6	107		105		10-120
Nitrobenzene-d5	99		98		23-120
2-Fluorobiphenyl	106		105		30-120
2,4,6-Tribromophenol	125		125		10-136
4-Terphenyl-d14	114		112		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1543753-2								
Perfluorobutanoic Acid (PFBA)	101		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	103		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	107		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	93		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	102		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	103		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	122		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	106		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1543753-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	90				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	96				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1543838-2					
Perfluorobutanoic Acid (PFBA)	112		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	112		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	112		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	113		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	111		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	108		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	114		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	116		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	113		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	114		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	112		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**140**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	129		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	112		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	115		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	118		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	129		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	121		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1543838-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	100				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69				24-159

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-3 QC Sample: L2146865-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	6.70	36.5	43.7	101		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	11.9	36.5	48.1	99		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	3.05	32.4	36.1	102		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.2	39.5	115		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	8.58	36.5	45.8	102		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	34.4	36.8	107		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	4.03	36.5	40.5	100		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	1.02J	33.4	35.0	102		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	14.0	36.5	53.1	107		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	34.8	39.4	113		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	34.8	36.5	105		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	3.23	36.5	37.7	94		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	19.9	33.9	54.9	103		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	2.62	36.5	38.7	99		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.1	36.5	104		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.2	34.7	99		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.5	38.4	105		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.5	39.0	107		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.2	35.4	100		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	36.5	36.1	99		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.5	33.6	92		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	36.5	37.5	103		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-3 QC Sample: L2146865-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	36.5	46.4	127		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	36.5	40.3	110		-	-		59-182	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	36.5	45.9	126		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	36.5	19.6	54		-	-		10-119	-		30
Perfluorododecane Sulfonic Acid (PFDoDS)	ND	35.4	37.8	107		-	-		85-154	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	69				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	102				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	73				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	71				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	82				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	71				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**5**	Q			10-112

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-3 QC Sample: L2146865-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	68				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1543838-3 WG1543838-4 QC Sample: L2147303-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.95	5.55	112		5.30	110		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	ND	4.95	5.56	112		5.34	111		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.4	4.86	111		4.78	112		72-128	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.63	6.36	137		5.88	130		62-145	8		30
Perfluorohexanoic Acid (PFHxA)	ND	4.95	5.67	115		5.54	115		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.65	4.65	100		4.68	103		73-123	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.95	5.50	111		5.32	111		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.52	5.25	116		5.17	117		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	4.95	5.67	115		5.47	114		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.71	5.84	124		5.69	124		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.71	5.53	117		5.22	114		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	4.95	5.63	114		5.34	111		72-129	5		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.59	5.27	115		5.16	115		68-136	2		30
Perfluorodecanoic Acid (PFDA)	ND	4.95	5.80	117		5.40	112		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.75	6.75	**142**	Q	5.96	129		65-137	12		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.76	5.22	110		5.05	109		69-125	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.95	6.20	125		5.25	109		63-144	17		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.95	5.69	115		5.44	113		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.77	5.19	109		5.11	110		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	ND	4.95	6.06	122		5.69	118		67-137	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.95	5.66	114		4.91	102		61-139	14		30
Perfluorododecanoic Acid (PFDoA)	ND	4.95	5.92	120		5.93	123		69-135	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1543838-3 WG1543838-4 QC Sample: L2147303-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	4.95	6.37	129		6.00	125		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.95	5.62	114		5.66	118		69-133	1		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		70		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	51		52		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		89		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55		58		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		80		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		79		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		73		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		86		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		82		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		60		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		81		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		40		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		85		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		82		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		81		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		89		74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-4 QC Sample: L2146865-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	6.64	6.62	ng/l	0		30
Perfluoropentanoic Acid (PFPeA)	6.86	6.65	ng/l	3		30
Perfluorobutanesulfonic Acid (PFBS)	27.9	27.8	ng/l	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	6.49	6.26	ng/l	4		30
Perfluoropentanesulfonic Acid (PFPeS)	0.288J	0.267J	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	6.78	6.56	ng/l	3		30
Perfluorohexanesulfonic Acid (PFHxS)	3.33	3.22	ng/l	3		30
Perfluorooctanoic Acid (PFOA)	42.5	43.0	ng/l	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.22J	1.15J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	17.6	17.2	ng/l	2		30
Perfluorodecanoic Acid (PFDA)	0.453J	0.410J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-4 QC Sample: L2146865-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.60	2.41	ng/l	8		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30
Perfluorododecane Sulfonic Acid (PFDoDS)	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**54**	Q	58		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	66		71		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		86		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	77		70		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	58		60		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**57**	Q	**59**	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		86		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q	**58**	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		62		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	66		65		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		82		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	62		63		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		59		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	38		36		24-116

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1543753-4 QC Sample: L2146865-02 Client ID: DUP Sample

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		67		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**7**	Q	**9**	Q	10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		39		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		60		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	53		46		22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	62		52		10-206

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/21 09:53
Analyst: JM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 11:52
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.26	1	A
Aroclor 1221	ND		ug/kg	36.8	3.68	1	A
Aroclor 1232	ND		ug/kg	36.8	7.79	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.79	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/21 10:02
Analyst: JM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 11:52
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	2.98	1	A
Aroclor 1221	ND		ug/kg	33.5	3.36	1	A
Aroclor 1232	ND		ug/kg	33.5	7.11	1	A
Aroclor 1242	ND		ug/kg	33.5	4.52	1	A
Aroclor 1248	ND		ug/kg	33.5	5.03	1	A
Aroclor 1254	ND		ug/kg	33.5	3.67	1	A
Aroclor 1260	37.4		ug/kg	33.5	6.19	1	B
Aroclor 1262	ND		ug/kg	33.5	4.26	1	A
Aroclor 1268	ND		ug/kg	33.5	3.47	1	A
PCBs, Total	37.4		ug/kg	33.5	2.98	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/21 21:36
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 08/31/21 14:11
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1541298-1						
Aroclor 1016	ND		ug/kg	33.3	2.95	A
Aroclor 1221	ND		ug/kg	33.3	3.33	A
Aroclor 1232	ND		ug/kg	33.3	7.05	A
Aroclor 1242	ND		ug/kg	33.3	4.48	A
Aroclor 1248	ND		ug/kg	33.3	4.99	A
Aroclor 1254	ND		ug/kg	33.3	3.64	A
Aroclor 1260	ND		ug/kg	33.3	6.15	A
Aroclor 1262	ND		ug/kg	33.3	4.22	A
Aroclor 1268	ND		ug/kg	33.3	3.45	A
PCBs, Total	ND		ug/kg	33.3	2.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1541298-2 WG1541298-3									
Aroclor 1016	95		79		40-140	18		50	A
Aroclor 1260	90		75		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		72		30-150	A
Decachlorobiphenyl	86		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		76		30-150	B
Decachlorobiphenyl	89		72		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/21 16:25
Analyst: AR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.03	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.3	5.70	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01 Date Collected: 08/31/21 08:22

Client ID: EP23_8 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/05/21 00:16
Analyst: AR
Percent Solids: 89%
Methylation Date: 09/04/21 14:45

Extraction Method: EPA 8151A
Extraction Date: 09/02/21 15:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.6	1	A
2,4,5-T	ND		ug/kg	183	5.69	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	74		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/21 16:36
Analyst: AR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/01/21 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.809	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	1.13	J	ug/kg	1.62	0.374	1	B
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	3.16		ug/kg	3.03	1.30	1	B
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.541	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.944	1	A
Toxaphene	ND		ug/kg	30.3	8.50	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.5	5.36	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2146746

Project Number: 170229024 **Report Date:** 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02 Date Collected: 08/31/21 09:22

Client ID: EP24_2 Date Received: 08/31/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/05/21 00:34
Analyst: AR
Percent Solids: 96%
Methylation Date: 09/04/21 14:45

Extraction Method: EPA 8151A
Extraction Date: 09/02/21 15:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	171	10.8	1	A
2,4,5-T	ND		ug/kg	171	5.30	1	A
2,4,5-TP (Silvex)	ND		ug/kg	171	4.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	82		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/03/21 15:52
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/01/21 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1541779-1						
Delta-BHC	ND		ug/kg	1.60	0.312	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Heptachlor	ND		ug/kg	0.798	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.997	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.569	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.533	A
Endosulfan sulfate	ND		ug/kg	0.665	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
cis-Chlordane	ND		ug/kg	1.99	0.556	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	13.3	5.28	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/03/21 15:52
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/01/21 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1541779-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/04/21 19:59
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 09/02/21 15:02

Methylation Date: 09/04/21 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1542364-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1541779-2 WG1541779-3									
Delta-BHC	69		75		30-150	8		30	A
Lindane	70		73		30-150	4		30	A
Alpha-BHC	72		76		30-150	5		30	A
Beta-BHC	71		74		30-150	4		30	A
Heptachlor	74		80		30-150	8		30	A
Aldrin	67		71		30-150	6		30	A
Heptachlor epoxide	68		72		30-150	6		30	A
Endrin	69		73		30-150	6		30	A
Endrin aldehyde	39		42		30-150	7		30	A
Endrin ketone	62		67		30-150	8		30	A
Dieldrin	72		74		30-150	3		30	A
4,4'-DDE	64		68		30-150	6		30	A
4,4'-DDD	67		72		30-150	7		30	A
4,4'-DDT	65		69		30-150	6		30	A
Endosulfan I	63		67		30-150	6		30	A
Endosulfan II	63		68		30-150	8		30	A
Endosulfan sulfate	54		58		30-150	7		30	A
Methoxychlor	60		63		30-150	5		30	A
cis-Chlordane	56		59		30-150	5		30	A
trans-Chlordane	66		69		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1541779-2 WG1541779-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		68		30-150	A
Decachlorobiphenyl	60		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150	B
Decachlorobiphenyl	72		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1542364-2 WG1542364-3									
2,4-D	84		66		30-150	24		30	A
2,4,5-T	74		63		30-150	16		30	A
2,4,5-TP (Silvex)	75		62		30-150	19		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	77		78		30-150	A
DCAA	85		71		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY
Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5400		mg/kg	8.84	2.39	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Antimony, Total	2.25	J	mg/kg	4.42	0.336	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Arsenic, Total	6.97		mg/kg	0.884	0.184	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Barium, Total	87.5		mg/kg	0.884	0.154	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Beryllium, Total	0.300	J	mg/kg	0.442	0.029	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.884	0.087	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Calcium, Total	5420		mg/kg	8.84	3.09	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Chromium, Total	15.6		mg/kg	0.884	0.085	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Cobalt, Total	6.25		mg/kg	1.77	0.147	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Copper, Total	74.2		mg/kg	0.884	0.228	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Iron, Total	15200		mg/kg	4.42	0.798	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Lead, Total	284		mg/kg	4.42	0.237	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Magnesium, Total	2520		mg/kg	8.84	1.36	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Manganese, Total	237		mg/kg	0.884	0.140	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Mercury, Total	0.846		mg/kg	0.074	0.048	1	09/01/21 20:25	09/04/21 13:48	EPA 7471B	1,7471B	NB
Nickel, Total	18.4		mg/kg	2.21	0.214	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Potassium, Total	764		mg/kg	221	12.7	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Selenium, Total	0.548	J	mg/kg	1.77	0.228	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.884	0.250	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Sodium, Total	86.2	J	mg/kg	177	2.78	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.77	0.278	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Vanadium, Total	20.8		mg/kg	0.884	0.179	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
Zinc, Total	161		mg/kg	4.42	0.259	2	09/01/21 19:55	09/04/21 13:00	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.90	0.90	1		09/04/21 13:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY
Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2800		mg/kg	8.01	2.16	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Antimony, Total	0.994	J	mg/kg	4.01	0.304	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Arsenic, Total	8.32		mg/kg	0.801	0.167	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Barium, Total	66.3		mg/kg	0.801	0.139	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Beryllium, Total	0.232	J	mg/kg	0.401	0.026	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Cadmium, Total	0.168	J	mg/kg	0.801	0.079	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Calcium, Total	119000		mg/kg	80.1	28.0	20	09/01/21 19:55	09/04/21 15:37	EPA 3050B	1,6010D	SV
Chromium, Total	10.4		mg/kg	0.801	0.077	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Cobalt, Total	3.36		mg/kg	1.60	0.133	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Copper, Total	49.5		mg/kg	0.801	0.207	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Iron, Total	10500		mg/kg	4.01	0.724	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Lead, Total	108		mg/kg	4.01	0.215	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Magnesium, Total	48900		mg/kg	8.01	1.23	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Manganese, Total	289		mg/kg	0.801	0.127	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Mercury, Total	0.231		mg/kg	0.071	0.046	1	09/01/21 20:25	09/04/21 13:58	EPA 7471B	1,7471B	NB
Nickel, Total	9.82		mg/kg	2.00	0.194	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Potassium, Total	289		mg/kg	200	11.5	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.60	0.207	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.801	0.227	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Sodium, Total	100	J	mg/kg	160	2.52	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Thallium, Total	0.425	J	mg/kg	1.60	0.252	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Vanadium, Total	28.3		mg/kg	0.801	0.163	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
Zinc, Total	142		mg/kg	4.01	0.235	2	09/01/21 19:55	09/04/21 13:04	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.83	0.83	1		09/04/21 13:04	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1541758-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/01/21 19:55	09/04/21 12:48	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1541759-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/01/21 20:25	09/04/21 13:32	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541758-2 SRM Lot Number: D109-540								
Aluminum, Total	69		-		50-150	-		
Antimony, Total	119		-		19-250	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	91		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	95		-		75-125	-		
Copper, Total	96		-		75-125	-		
Iron, Total	91		-		35-165	-		
Lead, Total	95		-		72-128	-		
Magnesium, Total	82		-		62-138	-		
Manganese, Total	93		-		74-126	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	80		-		59-141	-		
Selenium, Total	99		-		68-132	-		
Silver, Total	97		-		68-131	-		
Sodium, Total	95		-		35-165	-		
Thallium, Total	89		-		68-131	-		
Vanadium, Total	90		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541758-2 SRM Lot Number: D109-540					
Zinc, Total	95	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541759-2 SRM Lot Number: D109-540					
Mercury, Total	85	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541758-3 QC Sample: L2146755-02 Client ID: MS Sample												
Aluminum, Total	3360	335	3710	104		-	-		75-125	-		20
Antimony, Total	56.1	83.8	115	**70**	Q	-	-		75-125	-		20
Arsenic, Total	49.0	20.1	47.0	**0**	Q	-	-		75-125	-		20
Barium, Total	832	335	2570	**518**	Q	-	-		75-125	-		20
Beryllium, Total	0.229J	8.38	8.43	100		-	-		75-125	-		20
Cadmium, Total	1.10J	8.88	9.25	104		-	-		75-125	-		20
Calcium, Total	29400	1680	22000	**0**	Q	-	-		75-125	-		20
Chromium, Total	767	33.5	504	**0**	Q	-	-		75-125	-		20
Cobalt, Total	14.0	83.8	82.3	81		-	-		75-125	-		20
Copper, Total	5300	41.9	4750	**0**	Q	-	-		75-125	-		20
Iron, Total	297000	168	280000	**10100**	Q	-	-		75-125	-		20
Lead, Total	2910	88.8	2200	**0**	Q	-	-		75-125	-		20
Magnesium, Total	622	1680	2320	101		-	-		75-125	-		20
Manganese, Total	1820	83.8	1640	**0**	Q	-	-		75-125	-		20
Nickel, Total	63.4	83.8	133	83		-	-		75-125	-		20
Potassium, Total	ND	1680	1650	98		-	-		75-125	-		20
Selenium, Total	0.688J	20.1	18.3	91		-	-		75-125	-		20
Silver, Total	9.51	50.3	60.0	100		-	-		75-125	-		20
Sodium, Total	831	1680	2540	102		-	-		75-125	-		20
Thallium, Total	1.24J	20.1	15.4	76		-	-		75-125	-		20
Vanadium, Total	14.7	83.8	100	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541758-3 QC Sample: L2146755-02 Client ID: MS Sample										
Zinc, Total	8640	83.8	7030	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541759-3 QC Sample: L2146755-02 Client ID: MS Sample										
Mercury, Total	9.49	0.307	9.42	**0**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541758-4 QC Sample: L2146755-02 Client ID: DUP Sample						
Aluminum, Total	3360	3410	mg/kg	1		20
Antimony, Total	56.1	50.1	mg/kg	11		20
Arsenic, Total	49.0	75.7	mg/kg	**43**	Q	20
Barium, Total	832	841	mg/kg	1		20
Beryllium, Total	0.229J	0.276J	mg/kg	NC		20
Cadmium, Total	1.10J	1.17J	mg/kg	NC		20
Calcium, Total	29400	7210	mg/kg	**121**	Q	20
Chromium, Total	767	355	mg/kg	**73**	Q	20
Cobalt, Total	14.0	21.6	mg/kg	**43**	Q	20
Copper, Total	5300	3590	mg/kg	**38**	Q	20
Lead, Total	2910	8030	mg/kg	**94**	Q	20
Magnesium, Total	622	630	mg/kg	1		20
Manganese, Total	1820	1720	mg/kg	6		20
Nickel, Total	63.4	92.8	mg/kg	**38**	Q	20
Potassium, Total	ND	ND	mg/kg	NC		20
Selenium, Total	0.688J	ND	mg/kg	NC		20
Silver, Total	9.51	6.77	mg/kg	**34**	Q	20
Sodium, Total	831	499	mg/kg	**50**	Q	20
Thallium, Total	1.24J	0.927J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541758-4 QC Sample: L2146755-02 Client ID: DUP Sample						
Vanadium, Total	14.7	29.1	mg/kg	**66**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541758-4 QC Sample: L2146755-02 Client ID: DUP Sample						
Iron, Total	297000	414000	mg/kg	**33**	Q	20
Zinc, Total	8640	12200	mg/kg	**34**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1541759-4 QC Sample: L2146755-02 Client ID: DUP Sample						
Mercury, Total	9.49	7.73	mg/kg	20		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-01
Client ID: EP23_8
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/31/21 08:22
Date Received: 08/31/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	09/01/21 07:36	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.899	0.180	1	09/03/21 13:10	09/04/21 13:00	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146746-02
Client ID: EP24_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/31/21 09:22
Date Received: 08/31/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	09/01/21 07:36	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.831	0.166	1	09/03/21 13:10	09/04/21 13:00	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1542715-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/03/21 13:10	09/04/21 13:00	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1542715-2								
Chromium, Hexavalent	91		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1542715-4 QC Sample: L2146746-01 Client ID: EP23_8												
Chromium, Hexavalent	ND	966	923	96		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2146746

Report Date: 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1541537-1 QC Sample: L2146604-01 Client ID: DUP Sample						
Solids, Total	91.3	92.3	%	1		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146746-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146746-01B	Vial water preserved	A	NA		2.8	Y	Absent	01-SEP-21 05:27	NYTCL-8260HLW(14)
L2146746-01C	Vial water preserved	A	NA		2.8	Y	Absent	01-SEP-21 05:27	NYTCL-8260HLW(14)
L2146746-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2146746-01E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2146746-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),SE-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2146746-01G	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146746-01H	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146746-01J	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146746-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146746-02B	Vial water preserved	A	NA		2.8	Y	Absent	01-SEP-21 05:27	NYTCL-8260HLW(14)
L2146746-02C	Vial water preserved	A	NA		2.8	Y	Absent	01-SEP-21 05:27	NYTCL-8260HLW(14)
L2146746-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2146746-02E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2146746-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),TRICR-CALC(30),CR-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2146746-02G	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2146746
Report Date: 09/10/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146746-02H	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146746-02J	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2146746-03A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2146746
Report Date: 09/10/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2146746
Project Number:	170229024	**Report Date:**	09/10/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 9/1/21

ALPHA Job # L2146746

Client Information
Client: Langan DPC
Address: 360 W 31st Street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: Wkim@Langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project # 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pest. & Herbicides/Herbicides	TAL Metals/Hex Cr	PFAS	1, 4, dioxane	Total Bottle	Sample Specific Comments
46746-01	EP23_8	8/31/21	0822	SO:1	YMD	X	X	X	X	X	X	X		
-02	EP24_2	8/31/21	0922	↓		X	X	X	X	X	X	X		
-03	PFB09_083121	8/31/21	1200	AQ	↓						X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	8/31/2021 14:30		8/31/21 14:30
	8/31/21 18:15		8/31/21 22:00
	9/1/21 02:10		9/1/21 02:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2148919
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/20/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2148919-01	EP29_2	SOIL	BROOKLYN, NY	09/10/21 07:50	09/10/21
L2148919-02	EP35_5	SOIL	BROOKLYN, NY	09/10/21 07:55	09/10/21
L2148919-03	PFB10_091021	WATER	BROOKLYN, NY	09/10/21 13:20	09/10/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2148919
Project Number:	170229024	**Report Date:**	09/20/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2148919
Project Number:	170229024	**Report Date:**	09/20/21

Case Narrative (continued)

Report Submission

September 20, 2021: This final report includes the results of all requested analyses.

September 16, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2148919-01D and -02D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2148919-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 09/20/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/21 20:50
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	3.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	0.85	0.33	1
Chlorobenzene	ND		ug/kg	0.85	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.8	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.28	1
Bromodichloromethane	ND		ug/kg	0.85	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.85	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.85	0.27	1
Bromoform	ND		ug/kg	6.8	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.28	1
Benzene	ND		ug/kg	0.85	0.28	1
Toluene	0.95	J	ug/kg	1.7	0.92	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.8	1.6	1
Bromomethane	ND		ug/kg	3.4	0.99	1
Vinyl chloride	ND		ug/kg	1.7	0.57	1
Chloroethane	ND		ug/kg	3.4	0.77	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.23	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 Date Collected: 09/10/21 07:50

Client ID: EP29_2 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.85	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	ND		ug/kg	3.4	0.95	1
o-Xylene	ND		ug/kg	1.7	0.50	1
Xylenes, Total	ND		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.4	0.40	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	ND		ug/kg	17	8.2	1
Carbon disulfide	ND		ug/kg	17	7.7	1
2-Butanone	ND		ug/kg	17	3.8	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.22	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.85	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.32	1
p-Chlorotoluene	ND		ug/kg	3.4	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.29	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	ND		ug/kg	6.8	1.1	1
Acrylonitrile	ND		ug/kg	6.8	2.0	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 Date Collected: 09/10/21 07:50

Client ID: EP29_2 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.55	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	0.57	1
1,4-Dioxane	ND		ug/kg	140	60.	1
p-Diethylbenzene	ND		ug/kg	3.4	0.30	1
p-Ethyltoluene	ND		ug/kg	3.4	0.65	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.32	1
Ethyl ether	ND		ug/kg	3.4	0.58	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/21 21:11
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.26	1
Bromodichloromethane	ND		ug/kg	0.76	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.1	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.83	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.0	0.89	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 Date Collected: 09/10/21 07:55

Client ID: EP35_5 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.31	1
p/m-Xylene	ND		ug/kg	3.0	0.86	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.4	1
Carbon disulfide	ND		ug/kg	15	7.0	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	1.2	J	ug/kg	6.1	0.99	1
Acrylonitrile	ND		ug/kg	6.1	1.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 Date Collected: 09/10/21 07:55

Client ID: EP35_5 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1546914-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.16	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1546914-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1546914-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1546914-3 WG1546914-4								
Methylene chloride	82		84		70-130	2		30
1,1-Dichloroethane	85		82		70-130	4		30
Chloroform	88		83		70-130	6		30
Carbon tetrachloride	79		76		70-130	4		30
1,2-Dichloropropane	88		85		70-130	3		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	89		93		70-130	4		30
Tetrachloroethene	86		86		70-130	0		30
Chlorobenzene	86		85		70-130	1		30
Trichlorofluoromethane	85		81		70-139	5		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	82		79		70-130	4		30
Bromodichloromethane	84		83		70-130	1		30
trans-1,3-Dichloropropene	84		87		70-130	4		30
cis-1,3-Dichloropropene	87		84		70-130	4		30
1,1-Dichloropropene	84		79		70-130	6		30
Bromoform	87		86		70-130	1		30
1,1,2,2-Tetrachloroethane	98		90		70-130	9		30
Benzene	87		83		70-130	5		30
Toluene	84		82		70-130	2		30
Ethylbenzene	86		84		70-130	2		30
Chloromethane	77		73		52-130	5		30
Bromomethane	88		76		57-147	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1546914-3 WG1546914-4								
Vinyl chloride	83		77		67-130	8		30
Chloroethane	87		78		50-151	11		30
1,1-Dichloroethene	86		81		65-135	6		30
trans-1,2-Dichloroethene	85		84		70-130	1		30
Trichloroethene	89		85		70-130	5		30
1,2-Dichlorobenzene	91		86		70-130	6		30
1,3-Dichlorobenzene	91		85		70-130	7		30
1,4-Dichlorobenzene	90		84		70-130	7		30
Methyl tert butyl ether	93		92		66-130	1		30
p/m-Xylene	84		85		70-130	1		30
o-Xylene	87		87		70-130	0		30
cis-1,2-Dichloroethene	86		83		70-130	4		30
Dibromomethane	89		86		70-130	3		30
Styrene	88		88		70-130	0		30
Dichlorodifluoromethane	66		61		30-146	8		30
Acetone	91		82		54-140	10		30
Carbon disulfide	81		78		59-130	4		30
2-Butanone	89		78		70-130	13		30
Vinyl acetate	87		83		70-130	5		30
4-Methyl-2-pentanone	96		98		70-130	2		30
1,2,3-Trichloropropane	97		93		68-130	4		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	90		86		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1546914-3 WG1546914-4								
2,2-Dichloropropane	79		75		70-130	5		30
1,2-Dibromoethane	95		98		70-130	3		30
1,3-Dichloropropane	92		94		69-130	2		30
1,1,1,2-Tetrachloroethane	89		89		70-130	0		30
Bromobenzene	91		84		70-130	8		30
n-Butylbenzene	89		83		70-130	7		30
sec-Butylbenzene	90		82		70-130	9		30
tert-Butylbenzene	90		84		70-130	7		30
o-Chlorotoluene	90		82		70-130	9		30
p-Chlorotoluene	89		84		70-130	6		30
1,2-Dibromo-3-chloropropane	82		82		68-130	0		30
Hexachlorobutadiene	94		87		67-130	8		30
Isopropylbenzene	90		83		70-130	8		30
p-Isopropyltoluene	90		84		70-130	7		30
Naphthalene	87		86		70-130	1		30
Acrylonitrile	84		84		70-130	0		30
n-Propylbenzene	88		82		70-130	7		30
1,2,3-Trichlorobenzene	92		86		70-130	7		30
1,2,4-Trichlorobenzene	91		85		70-130	7		30
1,3,5-Trimethylbenzene	91		85		70-130	7		30
1,2,4-Trimethylbenzene	91		85		70-130	7		30
1,4-Dioxane	102		97		65-136	5		30
p-Diethylbenzene	91		84		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1546914-3 WG1546914-4								
p-Ethyltoluene	89		84		70-130	6		30
1,2,4,5-Tetramethylbenzene	90		83		70-130	8		30
Ethyl ether	94		92		67-130	2		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		95		70-130
Dibromofluoromethane	97		94		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/12/21 22:51
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/12/21 08:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.516	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.516	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.516	0.054	1
Perfluoroheptanoic Acid (PFHpA)	0.076	JF	ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.516	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.516	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.516	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.516	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.516	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.516	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.516	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.516	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.516	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.516	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.516	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.258	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 Date Collected: 09/10/21 07:50

Client ID: EP29_2 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 D
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/21 11:19
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 01:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900		ug/kg	1400	180	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	200	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	300	10
1,4-Dichlorobenzene	ND		ug/kg	1800	310	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	470	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	300	10
Fluoranthene	20000		ug/kg	1100	200	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	270	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2100	300	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	230	10
Naphthalene	1400	J	ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	260	10
NDPA/DPA	ND		ug/kg	1400	200	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	270	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	610	10
Butyl benzyl phthalate	ND		ug/kg	1800	450	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	600	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 D Date Collected: 09/10/21 07:50
Client ID: EP29_2 Date Received: 09/10/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	160	10
Dimethyl phthalate	ND		ug/kg	1800	370	10
Benzo(a)anthracene	9600		ug/kg	1100	200	10
Benzo(a)pyrene	7600		ug/kg	1400	430	10
Benzo(b)fluoranthene	9400		ug/kg	1100	300	10
Benzo(k)fluoranthene	3500		ug/kg	1100	280	10
Chrysene	8900		ug/kg	1100	180	10
Acenaphthylene	680	J	ug/kg	1400	270	10
Anthracene	4600		ug/kg	1100	350	10
Benzo(ghi)perylene	4800		ug/kg	1400	210	10
Fluorene	2200		ug/kg	1800	170	10
Phenanthrene	19000		ug/kg	1100	220	10
Dibenzo(a,h)anthracene	1100		ug/kg	1100	200	10
Indeno(1,2,3-cd)pyrene	5300		ug/kg	1400	250	10
Pyrene	18000		ug/kg	1100	180	10
Biphenyl	ND		ug/kg	4000	410	10
4-Chloroaniline	ND		ug/kg	1800	320	10
2-Nitroaniline	ND		ug/kg	1800	340	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	740	10
Dibenzofuran	1600	J	ug/kg	1800	170	10
2-Methylnaphthalene	750	J	ug/kg	2100	210	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	180	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	260	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	280	10
2,4-Dimethylphenol	ND		ug/kg	1800	590	10
2-Nitrophenol	ND		ug/kg	3800	670	10
4-Nitrophenol	ND		ug/kg	2500	720	10
2,4-Dinitrophenol	ND		ug/kg	8500	830	10
4,6-Dinitro-o-cresol	ND		ug/kg	4600	850	10
Pentachlorophenol	ND		ug/kg	1400	390	10
Phenol	ND		ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	280	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 D
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	340	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	540	10
Carbazole	1500	J	ug/kg	1800	170	10
1,4-Dioxane	ND		ug/kg	270	82.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	79		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/12/21 23:08
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 09/12/21 08:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.521	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.521	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.521	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	0.097	J	ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.521	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.521	0.142	1
Perfluorononanoic Acid (PFNA)	0.476		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.141	J	ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.521	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.521	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.521	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.521	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.521	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.521	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.521	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.521	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.521	0.056	1
PFOA/PFOS, Total	0.238	J	ng/g	0.260	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 Date Collected: 09/10/21 07:55

Client ID: EP35_5 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	111		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 D
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/21 11:41
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 01:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2000		ug/kg	1500	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	210	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	250	10
2-Chloronaphthalene	ND		ug/kg	1900	190	10
1,2-Dichlorobenzene	ND		ug/kg	1900	340	10
1,3-Dichlorobenzene	ND		ug/kg	1900	320	10
1,4-Dichlorobenzene	ND		ug/kg	1900	330	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	500	10
2,4-Dinitrotoluene	ND		ug/kg	1900	380	10
2,6-Dinitrotoluene	ND		ug/kg	1900	320	10
Fluoranthene	22000		ug/kg	1100	220	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	290	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1900	270	10
Hexachlorocyclopentadiene	ND		ug/kg	5400	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	1800	J	ug/kg	1900	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	290	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1900	650	10
Butyl benzyl phthalate	ND		ug/kg	1900	470	10
Di-n-butylphthalate	ND		ug/kg	1900	360	10
Di-n-octylphthalate	ND		ug/kg	1900	640	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 D Date Collected: 09/10/21 07:55
Client ID: EP35_5 Date Received: 09/10/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1900	170	10
Dimethyl phthalate	ND		ug/kg	1900	390	10
Benzo(a)anthracene	10000		ug/kg	1100	210	10
Benzo(a)pyrene	8700		ug/kg	1500	460	10
Benzo(b)fluoranthene	11000		ug/kg	1100	320	10
Benzo(k)fluoranthene	3600		ug/kg	1100	300	10
Chrysene	10000		ug/kg	1100	200	10
Acenaphthylene	1000	J	ug/kg	1500	290	10
Anthracene	4600		ug/kg	1100	360	10
Benzo(ghi)perylene	5600		ug/kg	1500	220	10
Fluorene	2100		ug/kg	1900	180	10
Phenanthrene	20000		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	1200		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	6200		ug/kg	1500	260	10
Pyrene	20000		ug/kg	1100	190	10
Biphenyl	ND		ug/kg	4300	440	10
4-Chloroaniline	ND		ug/kg	1900	340	10
2-Nitroaniline	ND		ug/kg	1900	360	10
3-Nitroaniline	ND		ug/kg	1900	350	10
4-Nitroaniline	ND		ug/kg	1900	780	10
Dibenzofuran	1700	J	ug/kg	1900	180	10
2-Methylnaphthalene	760	J	ug/kg	2200	230	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	200	10
Acetophenone	ND		ug/kg	1900	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	360	10
p-Chloro-m-cresol	ND		ug/kg	1900	280	10
2-Chlorophenol	ND		ug/kg	1900	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	ND		ug/kg	1900	620	10
2-Nitrophenol	ND		ug/kg	4000	700	10
4-Nitrophenol	ND		ug/kg	2600	760	10
2,4-Dinitrophenol	ND		ug/kg	9000	870	10
4,6-Dinitro-o-cresol	ND		ug/kg	4900	900	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	ND		ug/kg	1900	280	10
2-Methylphenol	ND		ug/kg	1900	290	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	290	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 D Date Collected: 09/10/21 07:55
Client ID: EP35_5 Date Received: 09/10/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1900	360	10
Benzoic Acid	ND		ug/kg	6100	1900	10
Benzyl Alcohol	ND		ug/kg	1900	570	10
Carbazole	1700	J	ug/kg	1900	180	10
1,4-Dioxane	ND		ug/kg	280	86.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	44		10-136
4-Terphenyl-d14	55		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-03
Client ID: PFB10_091021
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 13:20
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/21 14:39
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/16/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	0.174	0.035	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	0.174	0.034	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	0.174	0.021	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	0.174	0.029	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	0.174	0.020	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	0.174	0.033	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	0.174	0.021	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	0.174	0.116	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	0.174	0.060	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	0.174	0.027	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	0.174	0.044	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	0.174	0.026	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	0.174	0.105	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	0.174	0.056	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	0.174	0.023	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	0.174	0.085	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	0.174	0.050	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	0.174	0.070	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	0.174	0.032	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	0.174	0.028	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	0.174	0.022	1
PFOA/PFOS, Total	ND		ng/l	0.174	0.021	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-03 Date Collected: 09/10/21 13:20

Client ID: PFB10_091021 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	108		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/21 12:33
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/21 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1545379-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	33	J	ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/21 12:33
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/21 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1545379-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	72	J	ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	20	J	ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/21 12:33
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/21 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1545379-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	85		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/12/21 20:38
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/12/21 08:03

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1545388-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/12/21 20:38
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/12/21 08:03

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1545388-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	47		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/21 14:06
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/16/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1547038-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.24	J	ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.36	J	ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/21 14:06
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/16/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1547038-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1545379-2 WG1545379-3								
Acenaphthene	65		85		31-137	27		50
1,2,4-Trichlorobenzene	62		81		38-107	27		50
Hexachlorobenzene	62		80		40-140	25		50
Bis(2-chloroethyl)ether	63		82		40-140	26		50
2-Chloronaphthalene	69		89		40-140	25		50
1,2-Dichlorobenzene	63		81		40-140	25		50
1,3-Dichlorobenzene	62		78		40-140	23		50
1,4-Dichlorobenzene	61		79		28-104	26		50
3,3'-Dichlorobenzidine	47		65		40-140	32		50
2,4-Dinitrotoluene	73		96		40-132	27		50
2,6-Dinitrotoluene	73		95		40-140	26		50
Fluoranthene	70		89		40-140	24		50
4-Chlorophenyl phenyl ether	67		88		40-140	27		50
4-Bromophenyl phenyl ether	70		90		40-140	25		50
Bis(2-chloroisopropyl)ether	65		87		40-140	29		50
Bis(2-chloroethoxy)methane	64		86		40-117	29		50
Hexachlorobutadiene	66		81		40-140	20		50
Hexachlorocyclopentadiene	69		85		40-140	21		50
Hexachloroethane	56		72		40-140	25		50
Isophorone	61		82		40-140	29		50
Naphthalene	65		83		40-140	24		50
Nitrobenzene	65		86		40-140	28		50
NDPA/DPA	72		94		36-157	27		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1545379-2 WG1545379-3								
n-Nitrosodi-n-propylamine	64		86		32-121	29		50
Bis(2-ethylhexyl)phthalate	70		91		40-140	26		50
Butyl benzyl phthalate	70		90		40-140	25		50
Di-n-butylphthalate	69		90		40-140	26		50
Di-n-octylphthalate	74		96		40-140	26		50
Diethyl phthalate	66		86		40-140	26		50
Dimethyl phthalate	68		88		40-140	26		50
Benzo(a)anthracene	66		86		40-140	26		50
Benzo(a)pyrene	70		88		40-140	23		50
Benzo(b)fluoranthene	68		88		40-140	26		50
Benzo(k)fluoranthene	67		84		40-140	23		50
Chrysene	62		80		40-140	25		50
Acenaphthylene	70		91		40-140	26		50
Anthracene	67		88		40-140	27		50
Benzo(ghi)perylene	68		88		40-140	26		50
Fluorene	68		89		40-140	27		50
Phenanthrene	65		84		40-140	26		50
Dibenzo(a,h)anthracene	70		90		40-140	25		50
Indeno(1,2,3-cd)pyrene	71		91		40-140	25		50
Pyrene	68		87		35-142	25		50
Biphenyl	73		96		37-127	27		50
4-Chloroaniline	59		79		40-140	29		50
2-Nitroaniline	75		99		47-134	28		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1545379-2 WG1545379-3								
3-Nitroaniline	66		89		26-129	30		50
4-Nitroaniline	73		98		41-125	29		50
Dibenzofuran	67		88		40-140	27		50
2-Methylnaphthalene	70		91		40-140	26		50
1,2,4,5-Tetrachlorobenzene	69		88		40-117	24		50
Acetophenone	68		88		14-144	26		50
2,4,6-Trichlorophenol	76		95		30-130	22		50
p-Chloro-m-cresol	70		98		26-103	33		50
2-Chlorophenol	66		87		25-102	27		50
2,4-Dichlorophenol	68		92		30-130	30		50
2,4-Dimethylphenol	64		86		30-130	29		50
2-Nitrophenol	70		92		30-130	27		50
4-Nitrophenol	62		73		11-114	16		50
2,4-Dinitrophenol	47		62		4-130	28		50
4,6-Dinitro-o-cresol	65		83		10-130	24		50
Pentachlorophenol	43		53		17-109	21		50
Phenol	70		**94**	Q	26-90	29		50
2-Methylphenol	67		88		30-130.	27		50
3-Methylphenol/4-Methylphenol	68		90		30-130	28		50
2,4,5-Trichlorophenol	69		94		30-130	31		50
Benzoic Acid	17		26		10-110	42		50
Benzyl Alcohol	63		66		40-140	5		50
Carbazole	71		93		54-128	27		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1545379-2 WG1545379-3								
1,4-Dioxane	**33**	Q	40		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		82		25-120
Phenol-d6	70		93		10-120
Nitrobenzene-d5	65		86		23-120
2-Fluorobiphenyl	67		87		30-120
2,4,6-Tribromophenol	60		74		10-136
4-Terphenyl-d14	68		86		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1545388-2								
Perfluorobutanoic Acid (PFBA)	107		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	107		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	109		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	110		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	120		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	115		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	109		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	110		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	107		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	111		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	123		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	126		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	112		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1545388-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	53				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1547038-2								
Perfluorobutanoic Acid (PFBA)	104		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	101		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	104		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	105		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	111		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	115		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	105		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	108		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	109		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	99		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	106		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1547038-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545388-3 QC Sample: L2148232-05 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.81	6.20	107		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.81	6.20	107		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.16	5.60	109		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.44	6.71	123		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.81	6.44	111		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.46	5.21	95		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.81	6.10	105		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.31	5.79	109		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.062J	5.81	6.33	108		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.53	6.36	115		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.53	6.49	117		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.81	6.31	109		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.360	5.39	6.48	114		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.81	6.22	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.58	6.32	113		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.59	5.88	105		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.81	6.18	106		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.81	6.29	108		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.6	6.35	113		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.81	6.81	117		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.81	5.82	100		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.81	6.77	117		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545388-3 QC Sample: L2148232-05 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.81	6.82	117		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.81	6.38	110		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	59				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	39				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	110				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1547038-3 QC Sample: L2148947-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	43.2	37.8	80.8	100		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	49.6	37.8	86.4	97		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	8.95	33.6	43.5	103		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.4	41.8	118		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	48.8	37.8	87.0	101		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	2.92	35.5	41.6	109		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	38.1	37.8	76.2	101		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	13.4	34.5	49.4	104		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	391	37.8	427	95		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36	39.3	109		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	3.07	36	38.3	98		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	15.0	37.8	53.5	102		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	125	35.1	155	86		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	3.61	37.8	42.3	102		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.3	38.6	106		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.3	33.8	93		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.8	38.5F	102		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.8	37.4	99		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.4	33.3	91		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.8	35.3	93		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.8	35.6	94		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.8	36.3	96		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1547038-3 QC Sample: L2148947-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.8	42.7	113		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.8	35.3	93		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**195**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**167**	Q			14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545388-4 QC Sample: L2148232-09 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.062J	0.049J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.568	0.383	ng/g	**39**	Q	30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545388-4 QC Sample: L2148232-09 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		102		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	35		37		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		54		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		48		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		93		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	107		108		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	45		48		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		102		54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545388-4 QC Sample: L2148232-09 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		87		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1547038-4 QC Sample: L2148947-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	8.86	8.75	ng/l	1		30
Perfluoropentanoic Acid (PFPeA)	25.4	25.1	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	3.63	3.67	ng/l	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	23.5	22.1	ng/l	6		30
Perfluoropentanesulfonic Acid (PFPeS)	2.29	2.06	ng/l	11		30
Perfluoroheptanoic Acid (PFHpA)	15.3	15.6	ng/l	2		30
Perfluorohexanesulfonic Acid (PFHxS)	15.1	15.1	ng/l	0		30
Perfluorooctanoic Acid (PFOA)	433	422	ng/l	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	9.38	9.73	ng/l	4		30
Perfluorononanoic Acid (PFNA)	20.0	19.6	ng/l	2		30
Perfluorooctanesulfonic Acid (PFOS)	613	647	ng/l	5		30
Perfluorodecanoic Acid (PFDA)	1.71J	1.78J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	8.59F	8.65	ng/l	1		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	5.20	4.96F	ng/l	5		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1547038-4 QC Sample: L2148947-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	38.6	45.8	ng/l	17		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		78		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		102		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**249**	Q	**231**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		105		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**223**	Q	**217**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		95		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**196**	Q	**182**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		91		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		30		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		86		48-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1547038-4 QC Sample: L2148947-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		74		22-136

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/21 11:53
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 03:14
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	18.2	J	ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	18.2	J	ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/21 12:07
Analyst: CW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 03:14
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.30	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.87	1	A
Aroclor 1242	ND		ug/kg	37.1	5.00	1	A
Aroclor 1248	ND		ug/kg	37.1	5.57	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	ND		ug/kg	37.1	6.86	1	A
Aroclor 1262	ND		ug/kg	37.1	4.71	1	A
Aroclor 1268	ND		ug/kg	37.1	3.84	1	A
PCBs, Total	ND		ug/kg	37.1	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/13/21 10:49
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 09/12/21 03:14
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1545384-1						
Aroclor 1016	ND		ug/kg	31.7	2.82	A
Aroclor 1221	ND		ug/kg	31.7	3.18	A
Aroclor 1232	ND		ug/kg	31.7	6.73	A
Aroclor 1242	ND		ug/kg	31.7	4.28	A
Aroclor 1248	ND		ug/kg	31.7	4.76	A
Aroclor 1254	ND		ug/kg	31.7	3.47	A
Aroclor 1260	ND		ug/kg	31.7	5.87	A
Aroclor 1262	ND		ug/kg	31.7	4.03	A
Aroclor 1268	ND		ug/kg	31.7	3.29	A
PCBs, Total	ND		ug/kg	31.7	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1545384-2 WG1545384-3									
Aroclor 1016	84		76		40-140	10		50	A
Aroclor 1260	85		77		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	A
Decachlorobiphenyl	80		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		72		30-150	B
Decachlorobiphenyl	72		70		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/14/21 15:31
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 02:31
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.643	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	14.1	5.61	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01 Date Collected: 09/10/21 07:50

Client ID: EP29_2 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	**283**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/14/21 19:55
Analyst: AR
Percent Solids: 91%
Methylation Date: 09/14/21 12:30

Extraction Method: EPA 8151A
Extraction Date: 09/13/21 10:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.6	1	A
2,4,5-T	ND		ug/kg	185	5.73	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/14/21 15:42
Analyst: JAW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/12/21 02:31
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.739	0.330	1	A
Alpha-BHC	ND		ug/kg	0.739	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.673	1	A
Heptachlor	ND		ug/kg	0.887	0.398	1	A
Aldrin	ND		ug/kg	1.77	0.625	1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.998	1	A
Endrin	ND		ug/kg	0.739	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.776	1	A
Endrin ketone	ND		ug/kg	1.77	0.457	1	A
Dieldrin	ND		ug/kg	1.11	0.554	1	A
4,4'-DDE	ND		ug/kg	1.77	0.410	1	A
4,4'-DDD	ND		ug/kg	1.77	0.633	1	A
4,4'-DDT	ND		ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.77	0.419	1	A
Endosulfan II	ND		ug/kg	1.77	0.593	1	A
Endosulfan sulfate	ND		ug/kg	0.739	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.32	1	A
cis-Chlordane	ND		ug/kg	2.22	0.618	1	A
trans-Chlordane	ND		ug/kg	2.22	0.586	1	A
Chlordane	ND		ug/kg	14.8	5.88	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2148919

Project Number: 170229024 **Report Date:** 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02 Date Collected: 09/10/21 07:55

Client ID: EP35_5 Date Received: 09/10/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	**644**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/14/21 19:37
Analyst: AR
Percent Solids: 87%
Methylation Date: 09/14/21 12:30

Extraction Method: EPA 8151A
Extraction Date: 09/13/21 10:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.94	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	78		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/14/21 13:39
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 09/12/21 02:31
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1545381-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.663	0.296	A
Alpha-BHC	ND		ug/kg	0.663	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.795	0.356	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	A
Endrin	ND		ug/kg	0.663	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.994	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.567	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.663	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.928	A
Toxaphene	ND		ug/kg	29.8	8.35	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.525	A
Chlordane	ND		ug/kg	13.2	5.27	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/14/21 13:39
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 09/12/21 02:31
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1545381-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	145		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/13/21 14:32
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 09/12/21 10:38

Methylation Date: 09/13/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1545629-1						
2,4-D	ND		ug/kg	164	10.4	A
2,4,5-T	ND		ug/kg	164	5.10	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1545381-2 WG1545381-3									
Delta-BHC	94		93		30-150	1		30	A
Lindane	98		92		30-150	6		30	A
Alpha-BHC	88		80		30-150	10		30	A
Beta-BHC	93		93		30-150	0		30	A
Heptachlor	110		103		30-150	7		30	A
Aldrin	99		88		30-150	12		30	A
Heptachlor epoxide	85		84		30-150	1		30	A
Endrin	108		98		30-150	10		30	A
Endrin aldehyde	81		74		30-150	9		30	A
Endrin ketone	102		96		30-150	6		30	A
Dieldrin	115		100		30-150	14		30	A
4,4'-DDE	97		87		30-150	11		30	A
4,4'-DDD	114		103		30-150	10		30	A
4,4'-DDT	114		102		30-150	11		30	A
Endosulfan I	94		84		30-150	11		30	A
Endosulfan II	106		98		30-150	8		30	A
Endosulfan sulfate	102		94		30-150	8		30	A
Methoxychlor	103		101		30-150	2		30	A
cis-Chlordane	75		69		30-150	8		30	A
trans-Chlordane	117		109		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1545381-2 WG1545381-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		107		30-150	A
Decachlorobiphenyl	**160**	Q	128		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		91		30-150	B
Decachlorobiphenyl	126		112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1545629-2 WG1545629-3									
2,4-D	92		91		30-150	1		30	A
2,4,5-T	92		89		30-150	3		30	A
2,4,5-TP (Silvex)	92		90		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		94		30-150	A
DCAA	88		86		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY
Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3750		mg/kg	8.44	2.28	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Antimony, Total	1.49	J	mg/kg	4.22	0.321	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Arsenic, Total	9.52		mg/kg	0.844	0.176	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Barium, Total	72.2		mg/kg	0.844	0.147	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Beryllium, Total	0.287	J	mg/kg	0.422	0.028	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.844	0.083	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Calcium, Total	25000		mg/kg	8.44	2.95	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Chromium, Total	12.2		mg/kg	0.844	0.081	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Cobalt, Total	4.45		mg/kg	1.69	0.140	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Copper, Total	61.5		mg/kg	0.844	0.218	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Iron, Total	15800		mg/kg	4.22	0.762	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Lead, Total	302		mg/kg	4.22	0.226	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Magnesium, Total	12400		mg/kg	8.44	1.30	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Manganese, Total	157		mg/kg	0.844	0.134	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Mercury, Total	0.513		mg/kg	0.079	0.051	1	09/13/21 20:57	09/15/21 13:56	EPA 7471B	1,7471B	OU
Nickel, Total	9.18		mg/kg	2.11	0.204	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Potassium, Total	480		mg/kg	211	12.2	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Selenium, Total	0.506	J	mg/kg	1.69	0.218	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.844	0.239	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Sodium, Total	73.1	J	mg/kg	169	2.66	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.69	0.266	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Vanadium, Total	15.1		mg/kg	0.844	0.171	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
Zinc, Total	171		mg/kg	4.22	0.247	2	09/13/21 20:02	09/16/21 15:08	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.88	0.88	1		09/16/21 15:08	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY
Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5230		mg/kg	9.02	2.44	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Antimony, Total	1.64	J	mg/kg	4.51	0.343	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Arsenic, Total	12.2		mg/kg	0.902	0.188	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Barium, Total	59.3		mg/kg	0.902	0.157	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Beryllium, Total	0.316	J	mg/kg	0.451	0.030	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.902	0.088	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Calcium, Total	13600		mg/kg	9.02	3.16	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Chromium, Total	10.5		mg/kg	0.902	0.087	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Cobalt, Total	9.02		mg/kg	1.80	0.150	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Copper, Total	97.8		mg/kg	0.902	0.233	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Iron, Total	23400		mg/kg	4.51	0.815	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Lead, Total	217		mg/kg	4.51	0.242	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Magnesium, Total	5480		mg/kg	9.02	1.39	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Manganese, Total	273		mg/kg	0.902	0.143	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Mercury, Total	0.219		mg/kg	0.091	0.059	1	09/13/21 20:57	09/15/21 14:06	EPA 7471B	1,7471B	OU
Nickel, Total	14.3		mg/kg	2.26	0.218	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Potassium, Total	602		mg/kg	226	13.0	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Selenium, Total	0.605	J	mg/kg	1.80	0.233	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.902	0.255	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Sodium, Total	76.4	J	mg/kg	180	2.84	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.80	0.284	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Vanadium, Total	16.9		mg/kg	0.902	0.183	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
Zinc, Total	134		mg/kg	4.51	0.264	2	09/13/21 20:02	09/16/21 15:12	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.92	0.92	1		09/16/21 15:12	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1545759-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	09/13/21 20:02	09/16/21 12:55	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Sodium, Total	2.81	J	mg/kg	80.0	1.26	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/13/21 20:02	09/16/21 10:43	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1545760-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/13/21 20:57	09/15/21 12:50	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1545759-2 SRM Lot Number: D109-540								
Aluminum, Total	62		-		50-150	-		
Antimony, Total	113		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	88		-		75-125	-		
Beryllium, Total	92		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	88		-		70-130	-		
Cobalt, Total	93		-		75-125	-		
Copper, Total	91		-		75-125	-		
Iron, Total	82		-		35-165	-		
Lead, Total	92		-		72-128	-		
Magnesium, Total	80		-		62-138	-		
Manganese, Total	89		-		74-126	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	75		-		59-141	-		
Selenium, Total	97		-		68-132	-		
Silver, Total	90		-		68-131	-		
Sodium, Total	92		-		35-165	-		
Thallium, Total	95		-		68-131	-		
Vanadium, Total	79		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1545759-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1545760-2 SRM Lot Number: D109-540					
Mercury, Total	107	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545759-3 QC Sample: L2147136-01 Client ID: MS Sample												
Aluminum, Total	7310	189	7860	**291**	Q	-	-		75-125	-		20
Antimony, Total	0.411J	47.2	34.6	**73**	Q	-	-		75-125	-		20
Arsenic, Total	2.06	11.3	11.7	85		-	-		75-125	-		20
Barium, Total	8.08	189	190	96		-	-		75-125	-		20
Beryllium, Total	0.238J	4.72	4.82	102		-	-		75-125	-		20
Cadmium, Total	ND	5.01	4.08	81		-	-		75-125	-		20
Calcium, Total	388	945	1290	95		-	-		75-125	-		20
Chromium, Total	9.87	18.9	26.9	90		-	-		75-125	-		20
Cobalt, Total	3.14	47.2	45.4	89		-	-		75-125	-		20
Copper, Total	6.90	23.6	28.8	93		-	-		75-125	-		20
Iron, Total	14700	94.5	13500	**0**	Q	-	-		75-125	-		20
Lead, Total	3.57J	50.1	48.2	96		-	-		75-125	-		20
Magnesium, Total	1380	945	2340	102		-	-		75-125	-		20
Manganese, Total	87.9	47.2	127	83		-	-		75-125	-		20
Nickel, Total	7.05	47.2	48.6	88		-	-		75-125	-		20
Potassium, Total	237	945	1200	102		-	-		75-125	-		20
Selenium, Total	0.238J	11.3	9.68	85		-	-		75-125	-		20
Silver, Total	ND	28.3	26.8	94		-	-		75-125	-		20
Sodium, Total	82.6J	945	968	102		-	-		75-125	-		20
Thallium, Total	ND	11.3	8.98	79		-	-		75-125	-		20
Vanadium, Total	16.7	47.2	56.2	84		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545759-3 QC Sample: L2147136-01 Client ID: MS Sample									
Zinc, Total	14.8	47.2	60.8	97	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545760-3 QC Sample: L2147136-01 Client ID: MS Sample									
Mercury, Total	ND	0.18	0.214	119	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545759-4 QC Sample: L2147136-01 Client ID: DUP Sample						
Aluminum, Total	7310	7660	mg/kg	5		20
Antimony, Total	0.411J	0.723J	mg/kg	NC		20
Arsenic, Total	2.06	2.44	mg/kg	17		20
Barium, Total	8.08	9.78	mg/kg	19		20
Beryllium, Total	0.238J	0.270J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	388	486	mg/kg	**22**	Q	20
Chromium, Total	9.87	10.5	mg/kg	6		20
Cobalt, Total	3.14	3.64	mg/kg	15		20
Copper, Total	6.90	7.26	mg/kg	5		20
Iron, Total	14700	16200	mg/kg	10		20
Lead, Total	3.57J	5.72	mg/kg	NC		20
Magnesium, Total	1380	1540	mg/kg	11		20
Manganese, Total	87.9	111	mg/kg	**23**	Q	20
Nickel, Total	7.05	7.98	mg/kg	12		20
Potassium, Total	237	330	mg/kg	**33**	Q	20
Selenium, Total	0.238J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	82.6J	85.4J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545759-4 QC Sample: L2147136-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	16.7	20.4	mg/kg	20	20
Zinc, Total	14.8	17.6	mg/kg	17	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545760-4 QC Sample: L2147136-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1545759-6 QC Sample: L2147136-01 Client ID: DUP Sample						
Aluminum, Total	7310	5690	mg/kg	**22**	Q	20
Calcium, Total	388	331	mg/kg	15		20
Iron, Total	14700	12500	mg/kg	15		20
Magnesium, Total	1380	1240	mg/kg	10		20
Manganese, Total	87.9	75.0	mg/kg	15		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-01
Client ID: EP29_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/10/21 07:50
Date Received: 09/10/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	09/11/21 10:07	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	09/15/21 14:21	09/16/21 12:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2148919
Report Date: 09/20/21

SAMPLE RESULTS

Lab ID: L2148919-02
Client ID: EP35_5
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/10/21 07:55
Date Received: 09/10/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	09/11/21 10:07	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.923	0.184	1	09/15/21 14:21	09/16/21 12:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1546584-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/15/21 14:21	09/16/21 12:15	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2148919

Report Date: 09/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1546584-2								
Chromium, Hexavalent	88		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1546584-4 QC Sample: L2148919-02 Client ID: EP35_5												
Chromium, Hexavalent	ND	852	888	104		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1545275-1 QC Sample: L2148858-03 Client ID: DUP Sample						
Solids, Total	92.0	92.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1546584-6 QC Sample: L2148919-02 Client ID: EP35_5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2148919-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2148919-01A1	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2148919-01B	Vial water preserved	A	NA		3.4	Y	Absent	11-SEP-21 07:07	NYTCL-8260HLW(14)
L2148919-01C	Vial water preserved	A	NA		3.4	Y	Absent	11-SEP-21 07:07	NYTCL-8260HLW(14)
L2148919-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2148919-01E	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2148919-01F	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2148919-01G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2148919-01H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2148919-01J	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2148919-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2148919-02B	Vial water preserved	A	NA		3.4	Y	Absent	11-SEP-21 07:07	NYTCL-8260HLW(14)
L2148919-02C	Vial water preserved	A	NA		3.4	Y	Absent	11-SEP-21 07:07	NYTCL-8260HLW(14)
L2148919-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2148919-02E	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2148919-02F	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2148919-02G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2148919
Report Date: 09/20/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2148919-02H	Plastic 8oz unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2148919-02J	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2148919-03A	Plastic 250ml unpreserved	A	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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Lab Number: L2148919
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Project Number:	170229024	**Report Date:**	09/20/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/11/21

ALPHA Job #: L2148919

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project #: 170229024
(Use Project name as Project #)
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metal / Hex Cr	PFAS	1,4-dioxane
48919-01	EP29_2	9/10/2021	0750	Soil	YMP	X	X	X	X	X	X	X
-02	EP35_5	↓	0755	↓	↓	X	X	X	X	X	X	X
-03	PFB10_091021	↓	1320	AQ	↓						X	SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/2021 1809		9/10/21 1435
	9/10/21 1945		9/10/21 21:00
	9/11/21 01:00		9/11/21 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2149995
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/27/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2149995-01	EP41_9	SOIL	BROOKLYN, NY	09/16/21 08:20	09/16/21
L2149995-02	PFB11_091621	WATER	BROOKLYN, NY	09/16/21 13:43	09/16/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The project number, Client IDs and the analyses performed were specified by the Client.

Pesticides

L2149995-01: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (484%/451%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals

L2149995-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1549419-3 MS recovery, performed on L2149995-01, is outside the acceptance criteria for antimony (72%). A post digestion spike was performed and was within acceptance criteria.

The WG1549419-3 MS recovery, performed on L2149995-01, is outside the acceptance criteria for thallium (58%). A post digestion spike was performed and yielded an unacceptable recovery for thallium (77%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1549419-3 MS recoveries for aluminum (571%), calcium (0%), iron (4250%), lead (135%), magnesium (0%), manganese (318%) and zinc (264%), performed on L2149995-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1549419-3 MS recovery, performed on L2149995-01, is outside the acceptance criteria for copper (144%). A post digestion spike was performed and yielded an unacceptable recovery for copper (69%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1549421-3 MS recovery for mercury (0%), performed on L2149995-01, does not apply because the

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

Case Narrative (continued)

sample concentration is greater than four times the spike amount added.

The WG1549419-4 Laboratory Duplicate RPDs for lead (80%), manganese (32%) and zinc (29%), performed on L2149995-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1549419-6 serial dilution analysis, associated with L2149995-01, had a %D above the acceptance criteria for lead (21%), magnesium (22%) and zinc (21%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 09/27/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/22/21 11:10
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.3	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.7	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.44	1
Tetrachloroethene	ND		ug/kg	0.83	0.32	1
Chlorobenzene	ND		ug/kg	0.83	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.83	0.28	1
Bromodichloromethane	ND		ug/kg	0.83	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.83	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.83	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.83	0.26	1
Bromoform	ND		ug/kg	6.6	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.83	0.28	1
Benzene	ND		ug/kg	0.83	0.28	1
Toluene	ND		ug/kg	1.7	0.90	1
Ethylbenzene	ND		ug/kg	1.7	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.96	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
Chloroethane	ND		ug/kg	3.3	0.75	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 Date Collected: 09/16/21 08:20

Client ID: EP41_9 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.83	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.93	1
o-Xylene	ND		ug/kg	1.7	0.48	1
Xylenes, Total	ND		ug/kg	1.7	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.3	0.40	1
Styrene	ND		ug/kg	1.7	0.32	1
Dichlorodifluoromethane	ND		ug/kg	17	1.5	1
Acetone	ND		ug/kg	17	8.0	1
Carbon disulfide	ND		ug/kg	17	7.6	1
2-Butanone	ND		ug/kg	17	3.7	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.46	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.83	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.20	1
o-Chlorotoluene	ND		ug/kg	3.3	0.32	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.28	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	ND		ug/kg	6.6	1.1	1
Acrylonitrile	ND		ug/kg	6.6	1.9	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 Date Collected: 09/16/21 08:20

Client ID: EP41_9 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.56	1
1,4-Dioxane	ND		ug/kg	130	58.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.29	1
p-Ethyltoluene	ND		ug/kg	3.3	0.64	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.32	1
Ethyl ether	ND		ug/kg	3.3	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.3	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 07:42
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1549446-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 07:42
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1549446-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 07:42
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1549446-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1549446-3 WG1549446-4								
Methylene chloride	91		88		70-130	3		30
1,1-Dichloroethane	89		89		70-130	0		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	84		86		70-130	2		30
1,2-Dichloropropane	91		92		70-130	1		30
Dibromochloromethane	86		89		70-130	3		30
1,1,2-Trichloroethane	88		90		70-130	2		30
Tetrachloroethene	98		97		70-130	1		30
Chlorobenzene	91		90		70-130	1		30
Trichlorofluoromethane	87		87		70-139	0		30
1,2-Dichloroethane	86		90		70-130	5		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	85		85		70-130	0		30
trans-1,3-Dichloropropene	83		87		70-130	5		30
cis-1,3-Dichloropropene	84		88		70-130	5		30
1,1-Dichloropropene	89		90		70-130	1		30
Bromoform	80		90		70-130	12		30
1,1,2,2-Tetrachloroethane	84		93		70-130	10		30
Benzene	92		90		70-130	2		30
Toluene	90		89		70-130	1		30
Ethylbenzene	91		90		70-130	1		30
Chloromethane	93		90		52-130	3		30
Bromomethane	86		84		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1549446-3 WG1549446-4								
Vinyl chloride	97		94		67-130	3		30
Chloroethane	98		98		50-151	0		30
1,1-Dichloroethene	91		89		65-135	2		30
trans-1,2-Dichloroethene	92		88		70-130	4		30
Trichloroethene	92		92		70-130	0		30
1,2-Dichlorobenzene	94		96		70-130	2		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	85		88		66-130	3		30
p/m-Xylene	94		91		70-130	3		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	90		90		70-130	0		30
Dibromomethane	83		88		70-130	6		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	92		90		30-146	2		30
Acetone	72		75		54-140	4		30
Carbon disulfide	86		86		59-130	0		30
2-Butanone	74		87		70-130	16		30
Vinyl acetate	74		84		70-130	13		30
4-Methyl-2-pentanone	72		86		70-130	18		30
1,2,3-Trichloropropane	82		92		68-130	11		30
2-Hexanone	74		87		70-130	16		30
Bromochloromethane	90		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1549446-3 WG1549446-4								
2,2-Dichloropropane	82		81		70-130	1		30
1,2-Dibromoethane	93		96		70-130	3		30
1,3-Dichloropropane	91		94		69-130	3		30
1,1,1,2-Tetrachloroethane	91		93		70-130	2		30
Bromobenzene	95		94		70-130	1		30
n-Butylbenzene	95		96		70-130	1		30
sec-Butylbenzene	97		96		70-130	1		30
tert-Butylbenzene	98		97		70-130	1		30
o-Chlorotoluene	110		110		70-130	0		30
p-Chlorotoluene	93		95		70-130	2		30
1,2-Dibromo-3-chloropropane	68		78		68-130	14		30
Hexachlorobutadiene	104		104		67-130	0		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	97		97		70-130	0		30
Naphthalene	77		85		70-130	10		30
Acrylonitrile	**69**	Q	75		70-130	8		30
n-Propylbenzene	96		94		70-130	2		30
1,2,3-Trichlorobenzene	87		94		70-130	8		30
1,2,4-Trichlorobenzene	90		95		70-130	5		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	94		95		70-130	1		30
1,4-Dioxane	95		105		65-136	10		30
p-Diethylbenzene	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1549446-3 WG1549446-4								
p-Ethyltoluene	98		98		70-130	0		30
1,2,4,5-Tetramethylbenzene	85		87		70-130	2		30
Ethyl ether	86		92		67-130	7		30
trans-1,4-Dichloro-2-butene	76		84		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		95		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/21 08:49
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/17/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	790		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	7000		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	700		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 Date Collected: 09/16/21 08:20

Client ID: EP41_9 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	4700		ug/kg	110	21.	1
Benzo(a)pyrene	5400		ug/kg	150	46.	1
Benzo(b)fluoranthene	5100		ug/kg	110	32.	1
Benzo(k)fluoranthene	1800		ug/kg	110	30.	1
Chrysene	4500		ug/kg	110	19.	1
Acenaphthylene	370		ug/kg	150	29.	1
Anthracene	2200		ug/kg	110	36.	1
Benzo(ghi)perylene	2600		ug/kg	150	22.	1
Fluorene	620		ug/kg	190	18.	1
Phenanthrene	8100	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	610		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	150	26.	1
Pyrene	6200		ug/kg	110	19.	1
Biphenyl	89	J	ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	590		ug/kg	190	18.	1
2-Methylnaphthalene	340		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	62	J	ug/kg	190	28.	1
2-Methylphenol	34	J	ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	99	J	ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET
Lab Number: L2149995
Project Number: 170229024
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY
Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	840		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	11		10-136
4-Terphenyl-d14	37		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/23/21 01:28
Analyst: RS
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 09/22/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.052	J	ng/g	0.557	0.025	1
Perfluoropentanoic Acid (PFPeA)	0.143	J	ng/g	0.557	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.278	0.044	1
Perfluorohexanoic Acid (PFHxA)	0.109	J	ng/g	0.557	0.059	1
Perfluoroheptanoic Acid (PFHpA)	0.063	J	ng/g	0.278	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.278	0.067	1
Perfluorooctanoic Acid (PFOA)	0.628		ng/g	0.278	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.557	0.200	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.557	0.152	1
Perfluorononanoic Acid (PFNA)	0.230	J	ng/g	0.278	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	1.94		ng/g	0.278	0.145	1
Perfluorodecanoic Acid (PFDA)	0.10	J	ng/g	0.278	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.557	0.320	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.557	0.224	1
Perfluoroundecanoic Acid (PFUnA)	0.171	J	ng/g	0.557	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.557	0.170	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.557	0.109	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.557	0.094	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.557	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.557	0.228	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.557	0.060	1
PFOA/PFOS, Total	2.57		ng/g	0.278	0.047	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 Date Collected: 09/16/21 08:20

Client ID: EP41_9 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 D
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/21/21 13:42
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/17/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	11000		ug/kg	560	110	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-02
Client ID: PFB11_091621
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 13:43
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/21/21 03:17
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/17/21 16:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.281	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.454	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.882	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.724	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.335	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.212	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-02 Date Collected: 09/16/21 13:43

Client ID: PFB11_091621 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/21 08:18
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/16/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1547183-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/21 08:18
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/16/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1547183-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/21 08:18
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/16/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1547183-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	110		25-120
Phenol-d6	117		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	110		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/21 22:52
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/17/21 16:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1547774-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/21 22:52
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/17/21 16:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1547774-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/21/21 12:45
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/17/21 16:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1547774-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		10-112

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/22/21 21:19
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1549301-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/22/21 21:19
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1549301-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	114		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/23/21 13:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/21 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1549301-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	113		10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1547183-2 WG1547183-3								
Acenaphthene	68		83		31-137	20		50
1,2,4-Trichlorobenzene	69		85		38-107	21		50
Hexachlorobenzene	66		80		40-140	19		50
Bis(2-chloroethyl)ether	70		82		40-140	16		50
2-Chloronaphthalene	69		89		40-140	25		50
1,2-Dichlorobenzene	69		84		40-140	20		50
1,3-Dichlorobenzene	69		82		40-140	17		50
1,4-Dichlorobenzene	68		84		28-104	21		50
3,3'-Dichlorobenzidine	64		76		40-140	17		50
2,4-Dinitrotoluene	74		94		40-132	24		50
2,6-Dinitrotoluene	72		96		40-140	29		50
Fluoranthene	72		90		40-140	22		50
4-Chlorophenyl phenyl ether	66		83		40-140	23		50
4-Bromophenyl phenyl ether	63		81		40-140	25		50
Bis(2-chloroisopropyl)ether	73		91		40-140	22		50
Bis(2-chloroethoxy)methane	70		90		40-117	25		50
Hexachlorobutadiene	60		76		40-140	24		50
Hexachlorocyclopentadiene	42		58		40-140	32		50
Hexachloroethane	64		80		40-140	22		50
Isophorone	75		96		40-140	25		50
Naphthalene	68		85		40-140	22		50
Nitrobenzene	73		91		40-140	22		50
NDPA/DPA	70		87		36-157	22		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1547183-2 WG1547183-3								
n-Nitrosodi-n-propylamine	72		93		32-121	25		50
Bis(2-ethylhexyl)phthalate	73		93		40-140	24		50
Butyl benzyl phthalate	74		95		40-140	25		50
Di-n-butylphthalate	73		94		40-140	25		50
Di-n-octylphthalate	74		95		40-140	25		50
Diethyl phthalate	67		85		40-140	24		50
Dimethyl phthalate	72		95		40-140	28		50
Benzo(a)anthracene	70		87		40-140	22		50
Benzo(a)pyrene	75		92		40-140	20		50
Benzo(b)fluoranthene	71		91		40-140	25		50
Benzo(k)fluoranthene	76		90		40-140	17		50
Chrysene	73		89		40-140	20		50
Acenaphthylene	69		90		40-140	26		50
Anthracene	74		93		40-140	23		50
Benzo(ghi)perylene	73		90		40-140	21		50
Fluorene	69		87		40-140	23		50
Phenanthrene	73		91		40-140	22		50
Dibenzo(a,h)anthracene	77		97		40-140	23		50
Indeno(1,2,3-cd)pyrene	75		94		40-140	22		50
Pyrene	70		88		35-142	23		50
Biphenyl	67		88		37-127	27		50
4-Chloroaniline	61		71		40-140	15		50
2-Nitroaniline	74		96		47-134	26		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1547183-2 WG1547183-3								
3-Nitroaniline	68		80		26-129	16		50
4-Nitroaniline	75		92		41-125	20		50
Dibenzofuran	68		84		40-140	21		50
2-Methylnaphthalene	68		86		40-140	23		50
1,2,4,5-Tetrachlorobenzene	62		80		40-117	25		50
Acetophenone	75		96		14-144	25		50
2,4,6-Trichlorophenol	69		89		30-130	25		50
p-Chloro-m-cresol	75		97		26-103	26		50
2-Chlorophenol	74		92		25-102	22		50
2,4-Dichlorophenol	79		100		30-130	23		50
2,4-Dimethylphenol	80		101		30-130	23		50
2-Nitrophenol	76		96		30-130	23		50
4-Nitrophenol	81		103		11-114	24		50
2,4-Dinitrophenol	39		56		4-130	36		50
4,6-Dinitro-o-cresol	60		82		10-130	31		50
Pentachlorophenol	47		66		17-109	34		50
Phenol	74		**92**	Q	26-90	22		50
2-Methylphenol	78		99		30-130.	24		50
3-Methylphenol/4-Methylphenol	79		99		30-130	22		50
2,4,5-Trichlorophenol	70		91		30-130	26		50
Benzoic Acid	15		30		10-110	**67**	Q	50
Benzyl Alcohol	77		99		40-140	25		50
Carbazole	76		95		54-128	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1547183-2 WG1547183-3								
1,4-Dioxane	48		58		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		89		25-120
Phenol-d6	78		98		10-120
Nitrobenzene-d5	71		89		23-120
2-Fluorobiphenyl	63		82		30-120
2,4,6-Tribromophenol	66		80		10-136
4-Terphenyl-d14	71		89		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1547774-2								
Perfluorobutanoic Acid (PFBA)	104		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	105		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	106		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	103		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	106		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	107		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	99		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	101		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	101		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	100		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1547774-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	107				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1547774-2								
Perfluorooctanesulfonamide (FOSA)	94		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	93				10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1549301-2								
Perfluorobutanoic Acid (PFBA)	96		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	99		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	91		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	103		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	94		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	98		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	94		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	124		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1549301-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1549301-2								
Perfluorooctanesulfonamide (FOSA)	90		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	116				10-117

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1547774-3 QC Sample: L2149813-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	16.3	38.2	55.3	102		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	23.6	38.2	63.4	104		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	14.5	33.9	49.7	104		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.7	37.7	106		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	26.9	38.2	66.9	105		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	1.59J	35.9	33.9	90		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	27.7	38.2	67.4	104		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	13.3	34.9	46.8	96		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	122	38.2	166	115		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.3	36.5	100		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.3	38.2	105		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	0.889J	38.2	39.5	101		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	5.48	35.4	39.3	96		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.2	37.7	99		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.6	37.0	101		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.7	36.1	98		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.2	42.3	111		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.2	39.2	103		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.8	37.2	101		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.2	35.6F	93		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.2	37.4	98		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.2	39.5	103		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1547774-3 QC Sample: L2149813-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.2	39.6	104		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.2	38.7	101		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	95				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	46				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	76				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q			10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549301-3 WG1549301-4 QC Sample: L2149490-22 Client ID: MS Sample												
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	19.9	18.4	93		20.4	106		63-144	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	19.9	18.4	93		19.1	100		61-139	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	19.9	24.7	124		23.1	120		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	ND	19.9	20.0	101		19.5	102		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		78		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		75		31-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		106		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		97		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1547774-4 QC Sample: L2149813-04 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	10.4	10.6	ng/l	2		30
Perfluoropentanoic Acid (PFPeA)	10.1	10.2	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	10.2	10.1	ng/l	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	10.7	10.7	ng/l	0		30
Perfluoropentanesulfonic Acid (PFPeS)	0.511J	0.606J	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	9.19	9.32	ng/l	1		30
Perfluorohexanesulfonic Acid (PFHxS)	6.13	6.45	ng/l	5		30
Perfluorooctanoic Acid (PFOA)	81.7	85.5	ng/l	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.847J	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	4.00	4.06	ng/l	1		30
Perfluorooctanesulfonic Acid (PFOS)	53.8	53.3	ng/l	1		30
Perfluorodecanoic Acid (PFDA)	0.728J	0.731J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1547774-4 QC Sample: L2149813-04 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		89		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		102		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	108		108		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		76		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		100		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		93		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		81		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		82		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		81		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	46		52		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		86		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	44		50		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		86		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		95		22-136

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/20/21 15:10
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 18:21
Cleanup Method: EPA 3665A
Cleanup Date: 09/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.36	1	A
Aroclor 1221	ND		ug/kg	37.9	3.80	1	A
Aroclor 1232	ND		ug/kg	37.9	8.03	1	A
Aroclor 1242	ND		ug/kg	37.9	5.11	1	A
Aroclor 1248	ND		ug/kg	37.9	5.68	1	A
Aroclor 1254	ND		ug/kg	37.9	4.14	1	A
Aroclor 1260	ND		ug/kg	37.9	7.00	1	A
Aroclor 1262	ND		ug/kg	37.9	4.81	1	A
Aroclor 1268	ND		ug/kg	37.9	3.92	1	A
PCBs, Total	ND		ug/kg	37.9	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/21 14:47
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 09/19/21 18:21
Cleanup Method: EPA 3665A
Cleanup Date: 09/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1548180-1						
Aroclor 1016	ND		ug/kg	32.8	2.92	A
Aroclor 1221	ND		ug/kg	32.8	3.29	A
Aroclor 1232	ND		ug/kg	32.8	6.96	A
Aroclor 1242	ND		ug/kg	32.8	4.42	A
Aroclor 1248	ND		ug/kg	32.8	4.92	A
Aroclor 1254	ND		ug/kg	32.8	3.59	A
Aroclor 1260	ND		ug/kg	32.8	6.07	A
Aroclor 1262	ND		ug/kg	32.8	4.17	A
Aroclor 1268	ND		ug/kg	32.8	3.40	A
PCBs, Total	ND		ug/kg	32.8	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1548180-2 WG1548180-3									
Aroclor 1016	72		67		40-140	7		50	A
Aroclor 1260	77		73		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		62		30-150	A
Decachlorobiphenyl	77		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	B
Decachlorobiphenyl	75		72		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/21/21 13:31
Analyst: AR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/20/21 08:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.761	0.340	1	A
Alpha-BHC	ND		ug/kg	0.761	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.693	1	A
Heptachlor	ND		ug/kg	0.914	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.643	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.761	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.799	1	A
Endrin ketone	ND		ug/kg	1.83	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.571	1	A
4,4'-DDE	ND		ug/kg	1.83	0.422	1	A
4,4'-DDD	ND		ug/kg	1.83	0.652	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.761	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.59	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.603	1	A
Chlordane	ND		ug/kg	15.2	6.05	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01 Date Collected: 09/16/21 08:20

Client ID: EP41_9 Date Received: 09/16/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	**484**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	**451**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY

Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/20/21 14:26
Analyst: SDC
Percent Solids: 87%
Methylation Date: 09/19/21 07:57

Extraction Method: EPA 8151A
Extraction Date: 09/17/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	76		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/21 12:36
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 09/17/21 11:37

Methylation Date: 09/19/21 07:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1547662-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.07	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.35	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/21/21 13:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/20/21 08:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1548278-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.650	0.291	A
Alpha-BHC	ND		ug/kg	0.650	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.878	A
Endrin	ND		ug/kg	0.650	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.975	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
Toxaphene	ND		ug/kg	29.2	8.19	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	13.0	5.17	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/21/21 13:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/20/21 08:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1548278-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1547662-2 WG1547662-3									
2,4-D	85		81		30-150	5		30	A
2,4,5-T	79		86		30-150	8		30	A
2,4,5-TP (Silvex)	78		84		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		84		30-150	A
DCAA	85		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1548278-2 WG1548278-3									
Delta-BHC	87		89		30-150	2		30	A
Lindane	88		89		30-150	1		30	A
Alpha-BHC	86		85		30-150	1		30	A
Beta-BHC	84		88		30-150	5		30	A
Heptachlor	96		93		30-150	3		30	A
Aldrin	95		90		30-150	5		30	A
Heptachlor epoxide	86		81		30-150	6		30	A
Endrin	95		90		30-150	5		30	A
Endrin aldehyde	50		50		30-150	0		30	A
Endrin ketone	71		72		30-150	1		30	A
Dieldrin	98		92		30-150	6		30	A
4,4'-DDE	91		85		30-150	7		30	A
4,4'-DDD	99		92		30-150	7		30	A
4,4'-DDT	99		91		30-150	8		30	A
Endosulfan I	87		81		30-150	7		30	A
Endosulfan II	91		86		30-150	6		30	A
Endosulfan sulfate	61		63		30-150	3		30	A
Methoxychlor	86		86		30-150	0		30	A
cis-Chlordane	76		72		30-150	5		30	A
trans-Chlordane	109		104		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1548278-2 WG1548278-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		83		30-150	A
Decachlorobiphenyl	95		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	B
Decachlorobiphenyl	82		71		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY
Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5570		mg/kg	8.69	2.35	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Antimony, Total	0.965	J	mg/kg	4.34	0.330	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Arsenic, Total	12.2		mg/kg	0.869	0.181	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Barium, Total	118		mg/kg	0.869	0.151	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Beryllium, Total	0.461		mg/kg	0.434	0.029	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Cadmium, Total	0.278	J	mg/kg	0.869	0.085	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Calcium, Total	11400		mg/kg	8.69	3.04	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Chromium, Total	14.9		mg/kg	0.869	0.083	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Cobalt, Total	8.20		mg/kg	1.74	0.144	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Copper, Total	86.9		mg/kg	0.869	0.224	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Iron, Total	20100		mg/kg	4.34	0.785	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Lead, Total	512		mg/kg	4.34	0.233	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Magnesium, Total	5090		mg/kg	8.69	1.34	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Manganese, Total	256		mg/kg	0.869	0.138	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Mercury, Total	1.08		mg/kg	0.084	0.055	1	09/22/21 15:58	09/22/21 19:12	EPA 7471B	1,7471B	OU
Nickel, Total	15.0		mg/kg	2.17	0.210	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Potassium, Total	683		mg/kg	217	12.5	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Selenium, Total	1.27	J	mg/kg	1.74	0.224	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.869	0.246	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Sodium, Total	179		mg/kg	174	2.74	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.74	0.274	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Vanadium, Total	21.2		mg/kg	0.869	0.176	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
Zinc, Total	276		mg/kg	4.34	0.255	2	09/22/21 15:44	09/27/21 15:51	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.92	0.92	1		09/27/21 15:51	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2149995

Project Number: 170229024 **Report Date:** 09/27/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1549419-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Chromium, Total	0.088	J	mg/kg	0.400	0.038	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Iron, Total	0.652	J	mg/kg	2.00	0.361	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Sodium, Total	5.84	J	mg/kg	80.0	1.26	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/22/21 15:44	09/27/21 14:33	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1549421-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/22/21 15:58	09/22/21 19:05	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
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Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1549419-2 SRM Lot Number: D109-540								
Aluminum, Total	71		-		50-150	-		
Antimony, Total	128		-		19-250	-		
Arsenic, Total	104		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	93		-		73-128	-		
Chromium, Total	95		-		70-130	-		
Cobalt, Total	95		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	101		-		35-165	-		
Lead, Total	100		-		72-128	-		
Magnesium, Total	89		-		62-138	-		
Manganese, Total	102		-		74-126	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	88		-		59-141	-		
Selenium, Total	104		-		68-132	-		
Silver, Total	103		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	98		-		68-131	-		
Vanadium, Total	96		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1549419-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1549421-2 SRM Lot Number: D109-540					
Mercury, Total	96	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549419-3 QC Sample: L2149995-01 Client ID: EP41_9												
Aluminum, Total	5570	179	6590	**571**	Q	-	-		75-125	-		20
Antimony, Total	0.965J	44.7	32.3	**72**	Q	-	-		75-125	-		20
Arsenic, Total	12.2	10.7	21.4	86		-	-		75-125	-		20
Barium, Total	118	179	328	118		-	-		75-125	-		20
Beryllium, Total	0.461	4.47	4.42	89		-	-		75-125	-		20
Cadmium, Total	0.278J	4.74	4.15	88		-	-		75-125	-		20
Calcium, Total	11400	893	9310	**0**	Q	-	-		75-125	-		20
Chromium, Total	14.9	17.9	30.9	90		-	-		75-125	-		20
Cobalt, Total	8.20	44.7	46.8	86		-	-		75-125	-		20
Copper, Total	86.9	22.3	119	**144**	Q	-	-		75-125	-		20
Iron, Total	20100	89.3	23900	**4250**	Q	-	-		75-125	-		20
Lead, Total	512	47.4	576	**135**	Q	-	-		75-125	-		20
Magnesium, Total	5090	893	4320	**0**	Q	-	-		75-125	-		20
Manganese, Total	256	44.7	398	**318**	Q	-	-		75-125	-		20
Nickel, Total	15.0	44.7	52.7	84		-	-		75-125	-		20
Potassium, Total	683	893	1540	96		-	-		75-125	-		20
Selenium, Total	1.27J	10.7	9.59	89		-	-		75-125	-		20
Silver, Total	ND	26.8	23.7	88		-	-		75-125	-		20
Sodium, Total	179	893	978	89		-	-		75-125	-		20
Thallium, Total	ND	10.7	6.28	**58**	Q	-	-		75-125	-		20
Vanadium, Total	21.2	44.7	61.1	89		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549419-3 QC Sample: L2149995-01 Client ID: EP41_9										
Zinc, Total	276	44.7	394	**264**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549421-3 QC Sample: L2149995-01 Client ID: EP41_9										
Mercury, Total	1.08	0.145	1.01	**0**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549419-4 QC Sample: L2149995-01 Client ID: EP41_9						
Aluminum, Total	5570	5680	mg/kg	2		20
Antimony, Total	0.965J	1.08J	mg/kg	NC		20
Arsenic, Total	12.2	12.0	mg/kg	2		20
Barium, Total	118	116	mg/kg	2		20
Beryllium, Total	0.461	0.444	mg/kg	4		20
Cadmium, Total	0.278J	0.310J	mg/kg	NC		20
Calcium, Total	11400	12000	mg/kg	5		20
Chromium, Total	14.9	15.1	mg/kg	1		20
Cobalt, Total	8.20	9.66	mg/kg	16		20
Copper, Total	86.9	83.2	mg/kg	4		20
Iron, Total	20100	21000	mg/kg	4		20
Lead, Total	512	1190	mg/kg	**80**	Q	20
Magnesium, Total	5090	4990	mg/kg	2		20
Manganese, Total	256	355	mg/kg	**32**	Q	20
Nickel, Total	15.0	16.4	mg/kg	9		20
Potassium, Total	683	693	mg/kg	1		20
Selenium, Total	1.27J	1.36J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	179	167J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549419-4 QC Sample: L2149995-01 Client ID: EP41_9						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	21.2	19.4	mg/kg	9		20
Zinc, Total	276	369	mg/kg	**29**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549421-4 QC Sample: L2149995-01 Client ID: EP41_9						
Mercury, Total	1.08	1.13	mg/kg	5		20

Project Name: 45 COMMERCIAL STREET
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Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549419-6 QC Sample: L2149995-01 Client ID: EP41_9						
Aluminum, Total	5570	6480	mg/kg	16		20
Barium, Total	118	134	mg/kg	14		20
Calcium, Total	11400	13500	mg/kg	18		20
Copper, Total	86.9	100	mg/kg	15		20
Iron, Total	20100	24100	mg/kg	20		20
Lead, Total	512	618	mg/kg	**21**	Q	20
Magnesium, Total	5090	6200	mg/kg	**22**	Q	20
Manganese, Total	256	308	mg/kg	20		20
Zinc, Total	276	334	mg/kg	**21**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
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SAMPLE RESULTS

Lab ID: L2149995-01
Client ID: EP41_9
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/16/21 08:20
Date Received: 09/16/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	09/17/21 06:56	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.923	0.184	1	09/23/21 06:20	09/24/21 10:11	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149995
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1549621-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/23/21 06:20	09/24/21 10:11	1,7196A	NL

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149995

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1549621-2								
Chromium, Hexavalent	86		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1549621-4 QC Sample: L2149995-01 Client ID: EP41_9												
Chromium, Hexavalent	ND	1040	941	91		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1547481-1 QC Sample: L2147869-18 Client ID: DUP Sample						
Solids, Total	90.8	91.5	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1549621-6 QC Sample: L2149995-01 Client ID: EP41_9						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149995
Report Date: 09/27/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2149995-01A	Vial MeOH preserved	A	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2149995-01B	Vial water preserved	A	NA		5.7	Y	Absent	17-SEP-21 02:32	NYTCL-8260HLW(14)
L2149995-01C	Vial water preserved	A	NA		5.7	Y	Absent	17-SEP-21 02:32	NYTCL-8260HLW(14)
L2149995-01D	Plastic 120ml unpreserved	A	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2149995-01E	Plastic 2oz unpreserved for TS	A	NA		5.7	Y	Absent		TS(7)
L2149995-01F	Plastic 2oz unpreserved for TS	A	NA		5.7	Y	Absent		TS(7)
L2149995-01G	Glass 60mL/2oz unpreserved	A	NA		5.7	Y	Absent		NYTCL-8270(14)
L2149995-01H	Glass 120ml/4oz unpreserved	A	NA		5.7	Y	Absent		HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2149995-01J	Plastic 8oz unpreserved	A	NA		5.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2149995-01K	Plastic 8oz unpreserved	A	NA		5.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2149995-01L	Glass 500ml/16oz unpreserved	A	NA		5.7	Y	Absent		HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2149995-02A	Plastic 250ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-537-ISOTOPE(14)

Container Comments

L2149995-01H	Name on container "EP41-2"

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149995
Project Number:	170229024	**Report Date:**	09/27/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/16/21

ALPHA Job #: L2149995

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170229 24
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	PFAS	1,4-dioxane			Sample Specific Comments
L2149995-01	EP 41-9	9/16/21	0820	Soil	YMD	X	X	X	X	X	X			
-02	PFB 11-191621	9/16	1343	AQ	YMD					X				

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Langan	9/16/21 1400	[illegible]	9/16/21 14:00
[illegible]	9/16/21 17:30	Paul Mazzella	9/16/21 17:30
Paul Mazzella	9/16/21 2200		9/16/21 [illegible]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

JOB: L2151575 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0230: Semivolatiles Matrix Spike Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1060: Metals Serial Dilution Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5150: PFAS Parameter Summary - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L2151575-04 for product A2-NY-537-ISOTOPE

ANALYTICAL REPORT

Lab Number:	L2151575
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL ST
Project Number:	170229024
Report Date:	09/30/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2151575-01	EP46_4	SOIL	BROOKLYN, NY	09/23/21 07:20	09/23/21
L2151575-02	EP47_4	SOIL	BROOKLYN, NY	09/23/21 07:30	09/23/21
L2151575-03	EP40_5	SOIL	BROOKLYN, NY	09/23/21 07:40	09/23/21
L2151575-04	PFB12_092321	WATER	BROOKLYN, NY	09/23/21 12:40	09/23/21
L2151575-05	EP38_9	SOIL	BROOKLYN, NY	09/23/21 14:15	09/23/21

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2151575
Project Number:	170229024	**Report Date:**	09/30/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2151575
Project Number:	170229024	**Report Date:**	09/30/21

Case Narrative (continued)

Report Submission

September 30, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2151575-01 and -02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2151575-02 and -03: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

The Extracted Internal Standard recovery for the WG1550734-1 Method Blank, associated with L2151575-01, -02, -03, and -05, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated samples are non-detect for perfluorooctanesulfonamide (fosa).

Pesticides

L2151575-01: The surrogate recovery is outside the acceptance criteria for decachlorobiphenyl (254%); however, the sample was not re-extracted due to coelution with obvious interferences.

L2151575-01: The internal standard (IS) response for 1-bromo-2-nitrobenzene (5918%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (0%) due to interference with the Internal Standard.

Total Metals

L2151575-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Tiffani Morrissey

Title: Technical Director/Representative Date: 09/30/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/21 00:40
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	10	4.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.30	1
Chloroform	ND		ug/kg	3.1	0.29	1
Carbon tetrachloride	ND		ug/kg	2.0	0.47	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.26	1
Dibromochloromethane	ND		ug/kg	2.0	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.55	1
Tetrachloroethene	ND		ug/kg	1.0	0.40	1
Chlorobenzene	ND		ug/kg	1.0	0.26	1
Trichlorofluoromethane	ND		ug/kg	8.2	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.53	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.34	1
Bromodichloromethane	ND		ug/kg	1.0	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.56	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.32	1
1,1-Dichloropropene	ND		ug/kg	1.0	0.33	1
Bromoform	ND		ug/kg	8.2	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Benzene	ND		ug/kg	1.0	0.34	1
Toluene	ND		ug/kg	2.0	1.1	1
Ethylbenzene	ND		ug/kg	2.0	0.29	1
Chloromethane	ND		ug/kg	8.2	1.9	1
Bromomethane	ND		ug/kg	4.1	1.2	1
Vinyl chloride	ND		ug/kg	2.0	0.69	1
Chloroethane	ND		ug/kg	4.1	0.93	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.49	1
trans-1,2-Dichloroethene	ND		ug/kg	3.1	0.28	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	4.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	4.1	0.35	1
Methyl tert butyl ether	ND		ug/kg	4.1	0.41	1
p/m-Xylene	ND		ug/kg	4.1	1.2	1
o-Xylene	ND		ug/kg	2.0	0.60	1
Xylenes, Total	ND		ug/kg	2.0	0.60	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.28	1
Dibromomethane	ND		ug/kg	4.1	0.49	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	20	1.9	1
Acetone	ND		ug/kg	20	9.9	1
Carbon disulfide	ND		ug/kg	20	9.3	1
2-Butanone	ND		ug/kg	20	4.6	1
Vinyl acetate	ND		ug/kg	20	4.4	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	4.1	0.26	1
2-Hexanone	ND		ug/kg	20	2.4	1
Bromochloromethane	ND		ug/kg	4.1	0.42	1
2,2-Dichloropropane	ND		ug/kg	4.1	0.42	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.57	1
1,3-Dichloropropane	ND		ug/kg	4.1	0.34	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.27	1
Bromobenzene	ND		ug/kg	4.1	0.30	1
n-Butylbenzene	ND		ug/kg	2.0	0.34	1
sec-Butylbenzene	ND		ug/kg	2.0	0.30	1
tert-Butylbenzene	ND		ug/kg	4.1	0.24	1
o-Chlorotoluene	ND		ug/kg	4.1	0.39	1
p-Chlorotoluene	ND		ug/kg	4.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	2.0	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.35	1
Isopropylbenzene	ND		ug/kg	2.0	0.22	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.22	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	8.2	2.4	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.0	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.1	0.66	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.1	0.56	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.1	0.40	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.1	0.69	1
1,4-Dioxane	ND		ug/kg	160	72.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.36	1
p-Ethyltoluene	ND		ug/kg	4.1	0.79	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.39	1
Ethyl ether	ND		ug/kg	4.1	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	2.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	113		70-130

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/21 01:54
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02 Date Collected: 09/23/21 07:30

Client ID: EP47_4 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	118		70-130

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/21 01:04
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03 Date Collected: 09/23/21 07:40

Client ID: EP40_5 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.26	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
Acrylonitrile	ND		ug/kg	5.1	1.4	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	117		70-130

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/21 01:29
Analyst: JC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	3.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	0.85	0.33	1
Chlorobenzene	ND		ug/kg	0.85	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.8	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.28	1
Bromodichloromethane	ND		ug/kg	0.85	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.85	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.85	0.27	1
Bromoform	ND		ug/kg	6.8	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.28	1
Benzene	ND		ug/kg	0.85	0.28	1
Toluene	ND		ug/kg	1.7	0.93	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.8	1.6	1
Bromomethane	ND		ug/kg	3.4	0.99	1
Vinyl chloride	ND		ug/kg	1.7	0.57	1
Chloroethane	ND		ug/kg	3.4	0.77	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.23	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.85	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	ND		ug/kg	3.4	0.96	1
o-Xylene	ND		ug/kg	1.7	0.50	1
Xylenes, Total	ND		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.4	0.41	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	37		ug/kg	17	8.2	1
Carbon disulfide	ND		ug/kg	17	7.8	1
2-Butanone	15	J	ug/kg	17	3.8	1
Vinyl acetate	ND		ug/kg	17	3.7	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.22	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.85	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.33	1
p-Chlorotoluene	ND		ug/kg	3.4	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.29	1
Isopropylbenzene	ND		ug/kg	1.7	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.19	1
Naphthalene	ND		ug/kg	6.8	1.1	1
Acrylonitrile	ND		ug/kg	6.8	2.0	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.55	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	0.57	1
1,4-Dioxane	ND		ug/kg	140	60.	1
p-Diethylbenzene	ND		ug/kg	3.4	0.30	1
p-Ethyltoluene	ND		ug/kg	3.4	0.66	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.33	1
Ethyl ether	ND		ug/kg	3.4	0.58	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	118		70-130

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/28/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1552264-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/28/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1552264-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/28/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1552264-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1552264-3 WG1552264-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	118		114		70-130	3		30
Chloroform	108		105		70-130	3		30
Carbon tetrachloride	126		122		70-130	3		30
1,2-Dichloropropane	112		110		70-130	2		30
Dibromochloromethane	107		107		70-130	0		30
1,1,2-Trichloroethane	97		98		70-130	1		30
Tetrachloroethene	114		110		70-130	4		30
Chlorobenzene	101		97		70-130	4		30
Trichlorofluoromethane	132		126		70-139	5		30
1,2-Dichloroethane	115		114		70-130	1		30
1,1,1-Trichloroethane	124		121		70-130	2		30
Bromodichloromethane	114		112		70-130	2		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	107		106		70-130	1		30
1,1-Dichloropropene	123		117		70-130	5		30
Bromoform	96		100		70-130	4		30
1,1,2,2-Tetrachloroethane	93		94		70-130	1		30
Benzene	106		102		70-130	4		30
Toluene	98		95		70-130	3		30
Ethylbenzene	104		100		70-130	4		30
Chloromethane	**138**	Q	**132**	Q	52-130	4		30
Bromomethane	108		101		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1552264-3 WG1552264-4								
Vinyl chloride	115		114		67-130	1		30
Chloroethane	117		112		50-151	4		30
1,1-Dichloroethene	112		109		65-135	3		30
trans-1,2-Dichloroethene	111		108		70-130	3		30
Trichloroethene	108		103		70-130	5		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	105		101		70-130	4		30
o-Xylene	106		103		70-130	3		30
cis-1,2-Dichloroethene	108		106		70-130	2		30
Dibromomethane	107		106		70-130	1		30
Styrene	107		103		70-130	4		30
Dichlorodifluoromethane	130		125		30-146	4		30
Acetone	91		88		54-140	3		30
Carbon disulfide	105		100		59-130	5		30
2-Butanone	104		110		70-130	6		30
Vinyl acetate	**158**	Q	**160**	Q	70-130	1		30
4-Methyl-2-pentanone	100		101		70-130	1		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	115		114		70-130	1		30
Bromochloromethane	109		105		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1552264-3 WG1552264-4								
2,2-Dichloropropane	123		115		70-130	7		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	97		97		69-130	0		30
1,1,1,2-Tetrachloroethane	107		106		70-130	1		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	113		109		70-130	4		30
sec-Butylbenzene	106		103		70-130	3		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	97		94		70-130	3		30
p-Chlorotoluene	99		97		70-130	2		30
1,2-Dibromo-3-chloropropane	90		90		68-130	0		30
Hexachlorobutadiene	112		109		67-130	3		30
Isopropylbenzene	99		97		70-130	2		30
p-Isopropyltoluene	106		104		70-130	2		30
Naphthalene	85		85		70-130	0		30
Acrylonitrile	112		110		70-130	2		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	98		96		70-130	2		30
1,2,4-Trichlorobenzene	102		99		70-130	3		30
1,3,5-Trimethylbenzene	99		97		70-130	2		30
1,2,4-Trimethylbenzene	99		97		70-130	2		30
1,4-Dioxane	79		80		65-136	1		30
p-Diethylbenzene	107		103		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1552264-3 WG1552264-4								
p-Ethyltoluene	99		97		70-130	2		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Ethyl ether	100		98		67-130	2		30
trans-1,4-Dichloro-2-butene	111		115		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		109		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	106		105		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/27/21 15:47
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	360		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	7000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	440		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01 Date Collected: 09/23/21 07:20

Client ID: EP46_4 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	4100		ug/kg	110	20.	1
Benzo(a)pyrene	3800		ug/kg	150	44.	1
Benzo(b)fluoranthene	5200		ug/kg	110	31.	1
Benzo(k)fluoranthene	1400		ug/kg	110	29.	1
Chrysene	3900		ug/kg	110	19.	1
Acenaphthylene	600		ug/kg	150	28.	1
Anthracene	1200		ug/kg	110	36.	1
Benzo(ghi)perylene	2700		ug/kg	150	21.	1
Fluorene	400		ug/kg	180	18.	1
Phenanthrene	4900		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	650		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	150	25.	1
Pyrene	6500		ug/kg	110	18.	1
Biphenyl	64	J	ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	380		ug/kg	180	17.	1
2-Methylnaphthalene	180	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	35	J	ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	61	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	550		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	63		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 22:37
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.085	J	ng/g	0.532	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.400	J	ng/g	0.532	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.266	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.235	J	ng/g	0.532	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.098	J	ng/g	0.266	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.266	0.064	1
Perfluorooctanoic Acid (PFOA)	0.231	J	ng/g	0.266	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.532	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.532	0.145	1
Perfluorononanoic Acid (PFNA)	0.542		ng/g	0.266	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	1.24		ng/g	0.266	0.138	1
Perfluorodecanoic Acid (PFDA)	0.197	J	ng/g	0.266	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.532	0.305	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.532	0.214	1
Perfluoroundecanoic Acid (PFUnA)	0.156	J	ng/g	0.532	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.532	0.163	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.532	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.532	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.532	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.532	0.218	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.532	0.058	1
PFOA/PFOS, Total	1.47	J	ng/g	0.266	0.045	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	65		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**62**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**65**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**77**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**71**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	49		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**22**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/27/21 16:09
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	740		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	8300	E	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	630		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	64	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02 Date Collected: 09/23/21 07:30

Client ID: EP47_4 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	4900		ug/kg	110	20.	1
Benzo(a)pyrene	4700		ug/kg	140	44.	1
Benzo(b)fluoranthene	6500		ug/kg	110	30.	1
Benzo(k)fluoranthene	1400		ug/kg	110	28.	1
Chrysene	4900		ug/kg	110	18.	1
Acenaphthylene	480		ug/kg	140	28.	1
Anthracene	1800		ug/kg	110	35.	1
Benzo(ghi)perylene	3400		ug/kg	140	21.	1
Fluorene	790		ug/kg	180	17.	1
Phenanthrene	7300	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	740		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3900		ug/kg	140	25.	1
Pyrene	7900	E	ug/kg	110	18.	1
Biphenyl	96	J	ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	620		ug/kg	180	17.	1
2-Methylnaphthalene	280		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	35	J	ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	43	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	920		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	52		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 22:54
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.060	J	ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.112	J	ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.077	J	ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.063	1
Perfluorooctanoic Acid (PFOA)	0.283		ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	0.319		ng/g	0.258	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.11		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	0.096	J	ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	0.059	JF	ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.517	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.517	0.056	1
PFOA/PFOS, Total	1.39		ng/g	0.258	0.043	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/26/21 12:16
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02 D
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/28/21 16:56
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	540	100	5
Phenanthrene	10000		ug/kg	540	110	5
Pyrene	11000		ug/kg	540	89.	5

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/27/21 16:30
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	650		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	6000		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	280		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03 Date Collected: 09/23/21 07:40

Client ID: EP40_5 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	3800		ug/kg	110	20.	1
Benzo(a)pyrene	3400		ug/kg	140	43.	1
Benzo(b)fluoranthene	4400		ug/kg	110	30.	1
Benzo(k)fluoranthene	1200		ug/kg	110	28.	1
Chrysene	3500		ug/kg	110	18.	1
Acenaphthylene	220		ug/kg	140	27.	1
Anthracene	1300		ug/kg	110	34.	1
Benzo(ghi)perylene	2100		ug/kg	140	21.	1
Fluorene	630		ug/kg	180	17.	1
Phenanthrene	4900		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	510		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	2400		ug/kg	140	25.	1
Pyrene	5700		ug/kg	110	18.	1
Biphenyl	51	J	ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	440		ug/kg	180	17.	1
2-Methylnaphthalene	160	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	37	J	ug/kg	250	28.	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	430		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	59		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 23:10
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.041	J	ng/g	0.496	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.094	J	ng/g	0.496	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.248	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.068	J	ng/g	0.496	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.248	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.248	0.060	1
Perfluorooctanoic Acid (PFOA)	0.208	J	ng/g	0.248	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.496	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.496	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.248	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.248	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.248	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.496	0.285	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.496	0.200	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.496	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.496	0.152	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.496	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.496	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.496	0.203	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.496	0.054	1
PFOA/PFOS, Total	0.208	J	ng/g	0.248	0.042	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/26/21 12:23
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.496	0.097	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/27/21 16:52
Analyst: IM
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4900		ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	41.	1
1,3-Dichlorobenzene	ND		ug/kg	230	39.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	19000	E	ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	200	30.	1
Naphthalene	2000		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	200	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1

Project Name: 45 COMMERCIAL ST **Lab Number:** L2151575

Project Number: 170229024 **Report Date:** 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05 Date Collected: 09/23/21 14:15

Client ID: EP38_9 Date Received: 09/23/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	15000	E	ug/kg	140	26.	1
Benzo(a)pyrene	14000	E	ug/kg	180	56.	1
Benzo(b)fluoranthene	19000	E	ug/kg	140	38.	1
Benzo(k)fluoranthene	2600		ug/kg	140	36.	1
Chrysene	14000	E	ug/kg	140	24.	1
Acenaphthylene	570		ug/kg	180	35.	1
Anthracene	6300		ug/kg	140	44.	1
Benzo(ghi)perylene	9000		ug/kg	180	27.	1
Fluorene	4200		ug/kg	230	22.	1
Phenanthrene	18000	E	ug/kg	140	28.	1
Dibenzo(a,h)anthracene	2000		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	10000	E	ug/kg	180	32.	1
Pyrene	20000	E	ug/kg	140	23.	1
Biphenyl	350	J	ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	94.	1
Dibenzofuran	2500		ug/kg	230	22.	1
2-Methylnaphthalene	940		ug/kg	270	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	37.	1
2,4-Dimethylphenol	98	J	ug/kg	230	75.	1
2-Nitrophenol	ND		ug/kg	490	86.	1
4-Nitrophenol	ND		ug/kg	320	93.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	180	J	ug/kg	230	34.	1
2-Methylphenol	86	J	ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	420		ug/kg	330	36.	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	370	J	ug/kg	740	230	1
Benzyl Alcohol	ND		ug/kg	230	70.	1
Carbazole	2800		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	46		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 23:27
Analyst: SG
Percent Solids: 72%

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.654	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.654	0.060	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.327	0.051	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.654	0.069	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.327	0.059	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.327	0.079	1
Perfluorooctanoic Acid (PFOA)	0.142	J	ng/g	0.327	0.055	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.654	0.235	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.654	0.178	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.327	0.098	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.327	0.170	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.327	0.088	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.654	0.375	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.654	0.264	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.654	0.061	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.654	0.200	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.654	0.128	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.654	0.110	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.654	0.092	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.654	0.268	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.654	0.071	1
PFOA/PFOS, Total	0.142	J	ng/g	0.327	0.055	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05 D
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/28/21 17:18
Analyst: IM
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 04:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	42000		ug/kg	1400	260	10
Benzo(a)anthracene	23000		ug/kg	1400	260	10
Benzo(a)pyrene	19000		ug/kg	1800	560	10
Benzo(b)fluoranthene	24000		ug/kg	1400	380	10
Chrysene	23000		ug/kg	1400	240	10
Phenanthrene	36000		ug/kg	1400	280	10
Indeno(1,2,3-cd)pyrene	12000		ug/kg	1800	320	10
Pyrene	39000		ug/kg	1400	230	10

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/21 02:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/24/21 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1550617-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/21 02:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/24/21 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1550617-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/21 02:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/24/21 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1550617-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	70		18-120

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 20:41
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1550734-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 20:41
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1550734-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	59		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**7**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/26/21 12:01
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/25/21 08:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1550734-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550617-2 WG1550617-3								
Acenaphthene	69		74		31-137	7		50
1,2,4-Trichlorobenzene	66		74		38-107	11		50
Hexachlorobenzene	68		73		40-140	7		50
Bis(2-chloroethyl)ether	65		71		40-140	9		50
2-Chloronaphthalene	70		68		40-140	3		50
1,2-Dichlorobenzene	62		69		40-140	11		50
1,3-Dichlorobenzene	63		67		40-140	6		50
1,4-Dichlorobenzene	62		68		28-104	9		50
3,3'-Dichlorobenzidine	60		62		40-140	3		50
2,4-Dinitrotoluene	80		85		40-132	6		50
2,6-Dinitrotoluene	76		75		40-140	1		50
Fluoranthene	71		76		40-140	7		50
4-Chlorophenyl phenyl ether	68		74		40-140	8		50
4-Bromophenyl phenyl ether	69		73		40-140	6		50
Bis(2-chloroisopropyl)ether	45		48		40-140	6		50
Bis(2-chloroethoxy)methane	72		78		40-117	8		50
Hexachlorobutadiene	64		67		40-140	5		50
Hexachlorocyclopentadiene	53		56		40-140	6		50
Hexachloroethane	67		73		40-140	9		50
Isophorone	76		83		40-140	9		50
Naphthalene	66		71		40-140	7		50
Nitrobenzene	75		83		40-140	10		50
NDPA/DPA	71		75		36-157	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550617-2 WG1550617-3								
n-Nitrosodi-n-propylamine	72		77		32-121	7		50
Bis(2-ethylhexyl)phthalate	88		94		40-140	7		50
Butyl benzyl phthalate	80		85		40-140	6		50
Di-n-butylphthalate	83		88		40-140	6		50
Di-n-octylphthalate	90		97		40-140	7		50
Diethyl phthalate	78		82		40-140	5		50
Dimethyl phthalate	74		73		40-140	1		50
Benzo(a)anthracene	72		76		40-140	5		50
Benzo(a)pyrene	70		76		40-140	8		50
Benzo(b)fluoranthene	73		78		40-140	7		50
Benzo(k)fluoranthene	68		73		40-140	7		50
Chrysene	69		74		40-140	7		50
Acenaphthylene	71		71		40-140	0		50
Anthracene	70		77		40-140	10		50
Benzo(ghi)perylene	70		76		40-140	8		50
Fluorene	70		76		40-140	8		50
Phenanthrene	70		75		40-140	7		50
Dibenzo(a,h)anthracene	68		75		40-140	10		50
Indeno(1,2,3-cd)pyrene	70		77		40-140	10		50
Pyrene	71		76		35-142	7		50
Biphenyl	70		70		37-127	0		50
4-Chloroaniline	57		60		40-140	5		50
2-Nitroaniline	76		76		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550617-2 WG1550617-3								
3-Nitroaniline	68		72		26-129	6		50
4-Nitroaniline	75		77		41-125	3		50
Dibenzofuran	72		77		40-140	7		50
2-Methylnaphthalene	68		74		40-140	8		50
1,2,4,5-Tetrachlorobenzene	68		71		40-117	4		50
Acetophenone	72		79		14-144	9		50
2,4,6-Trichlorophenol	70		70		30-130	0		50
p-Chloro-m-cresol	77		84		26-103	9		50
2-Chlorophenol	73		80		25-102	9		50
2,4-Dichlorophenol	77		85		30-130	10		50
2,4-Dimethylphenol	79		86		30-130	8		50
2-Nitrophenol	77		85		30-130	10		50
4-Nitrophenol	83		88		11-114	6		50
2,4-Dinitrophenol	31		47		4-130	41		50
4,6-Dinitro-o-cresol	63		78		10-130	21		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	70		76		26-90	8		50
2-Methylphenol	76		83		30-130.	9		50
3-Methylphenol/4-Methylphenol	84		92		30-130	9		50
2,4,5-Trichlorophenol	74		74		30-130	0		50
Benzoic Acid	25		30		10-110	18		50
Benzyl Alcohol	77		83		40-140	8		50
Carbazole	72		76		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550617-2 WG1550617-3								
1,4-Dioxane	47		44		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		74		25-120
Phenol-d6	80		84		10-120
Nitrobenzene-d5	78		83		23-120
2-Fluorobiphenyl	68		65		30-120
2,4,6-Tribromophenol	75		76		10-136
4-Terphenyl-d14	68		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1550734-2								
Perfluorobutanoic Acid (PFBA)	99		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	91		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	101		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	102		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	101		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	113		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	90		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	93		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1550734-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1550734-2								
Perfluorooctanesulfonamide (FOSA)	118		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1550734-3 WG1550734-4 QC Sample: L2151037-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.5	5.28	96		5.50	98		71-135	4		30
Perfluoropentanoic Acid (PFPeA)	ND	5.5	5.35	97		5.62	100		69-132	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.89	4.74	97		4.77	96		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.15	5.07	98		5.26	100		62-145	4		30
Perfluorohexanoic Acid (PFHxA)	ND	5.5	5.53	100		5.63	101		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.17	4.38	85		4.38	83		73-123	0		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.5	5.32	97		5.51	99		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.03	4.50	90		4.49	88		67-130	0		30
Perfluorooctanoic Acid (PFOA)	0.085JF	5.5	5.51	99		5.75	101		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.24	4.35	83		5.14	97		64-140	17		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.24	4.96	95		5.60	105		70-132	12		30
Perfluorononanoic Acid (PFNA)	ND	5.5	5.39	98		5.72	102		72-129	6		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.11	4.76	93		5.05	97		68-136	6		30
Perfluorodecanoic Acid (PFDA)	ND	5.5	5.58	101		5.52	99		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.28	4.94	94		5.22	97		65-137	6		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.29	5.27	100		5.61	104		69-125	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.5	5.41F	98		6.54F	117		63-144	19		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.5	5.50	100		5.64	101		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.3	5.13	97		5.52	102		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	5.5	4.95	90		5.46	98		67-137	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.5	5.51	100		6.14	110		61-139	11		30
Perfluorododecanoic Acid (PFDoA)	ND	5.5	4.85	88		5.25	94		69-135	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1550734-3 WG1550734-4 QC Sample: L2151037-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.5	5.88	107		6.23	111		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.5	5.51	100		5.65	101		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		70		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	46		45		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		58		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q	**25**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	**18**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		74		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		**66**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**50**	Q	**41**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**57**	Q	**47**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		97		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		65		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**45**	Q	**37**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**55**	Q	**44**	Q	58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		21		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		88		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**67**	Q	**55**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		**63**	Q	72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		88		74-139

PCBS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/21 00:59
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.25	1	A
Aroclor 1221	ND		ug/kg	36.6	3.66	1	A
Aroclor 1232	ND		ug/kg	36.6	7.75	1	A
Aroclor 1242	ND		ug/kg	36.6	4.93	1	A
Aroclor 1248	ND		ug/kg	36.6	5.48	1	A
Aroclor 1254	ND		ug/kg	36.6	4.00	1	A
Aroclor 1260	ND		ug/kg	36.6	6.76	1	A
Aroclor 1262	ND		ug/kg	36.6	4.64	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/21 01:08
Analyst: CW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/21 01:17
Analyst: CW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.01	1	A
Aroclor 1221	ND		ug/kg	33.8	3.39	1	A
Aroclor 1232	ND		ug/kg	33.8	7.18	1	A
Aroclor 1242	ND		ug/kg	33.8	4.56	1	A
Aroclor 1248	ND		ug/kg	33.8	5.08	1	A
Aroclor 1254	ND		ug/kg	33.8	3.70	1	A
Aroclor 1260	ND		ug/kg	33.8	6.26	1	A
Aroclor 1262	ND		ug/kg	33.8	4.30	1	A
Aroclor 1268	ND		ug/kg	33.8	3.51	1	A
PCBs, Total	ND		ug/kg	33.8	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/21 01:27
Analyst: CW
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.2	4.10	1	A
Aroclor 1221	ND		ug/kg	46.2	4.63	1	A
Aroclor 1232	ND		ug/kg	46.2	9.80	1	A
Aroclor 1242	ND		ug/kg	46.2	6.23	1	A
Aroclor 1248	ND		ug/kg	46.2	6.93	1	A
Aroclor 1254	ND		ug/kg	46.2	5.06	1	A
Aroclor 1260	ND		ug/kg	46.2	8.54	1	A
Aroclor 1262	ND		ug/kg	46.2	5.87	1	A
Aroclor 1268	ND		ug/kg	46.2	4.79	1	A
PCBs, Total	ND		ug/kg	46.2	4.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/27/21 00:31
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 09/25/21 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1550816-1						
Aroclor 1016	ND		ug/kg	31.6	2.81	A
Aroclor 1221	ND		ug/kg	31.6	3.17	A
Aroclor 1232	ND		ug/kg	31.6	6.70	A
Aroclor 1242	ND		ug/kg	31.6	4.26	A
Aroclor 1248	ND		ug/kg	31.6	4.74	A
Aroclor 1254	ND		ug/kg	31.6	3.46	A
Aroclor 1260	ND		ug/kg	31.6	5.84	A
Aroclor 1262	ND		ug/kg	31.6	4.02	A
Aroclor 1268	ND		ug/kg	31.6	3.28	A
PCBs, Total	ND		ug/kg	31.6	2.81	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550816-2 WG1550816-3									
Aroclor 1016	70		71		40-140	1		50	A
Aroclor 1260	68		68		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	A
Decachlorobiphenyl	66		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	67		66		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/29/21 12:21
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	B
Lindane	ND		ug/kg	0.694	0.310	1	B
Alpha-BHC	ND		ug/kg	0.694	0.197	1	B
Beta-BHC	ND		ug/kg	1.67	0.632	1	B
Heptachlor	ND		ug/kg	0.833	0.374	1	B
Aldrin	ND		ug/kg	1.67	0.587	1	B
Heptachlor epoxide	ND		ug/kg	3.12	0.937	1	B
Endrin	ND		ug/kg	0.694	0.285	1	B
Endrin aldehyde	ND		ug/kg	2.08	0.729	1	B
Endrin ketone	ND		ug/kg	1.67	0.429	1	B
Dieldrin	ND		ug/kg	1.04	0.521	1	B
4,4'-DDE	ND		ug/kg	1.67	0.385	1	B
4,4'-DDD	ND		ug/kg	1.67	0.594	1	B
4,4'-DDT	ND		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.394	1	B
Endosulfan II	ND		ug/kg	1.67	0.557	1	B
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	B
Methoxychlor	ND		ug/kg	3.12	0.972	1	B
Toxaphene	ND		ug/kg	31.2	8.75	1	B
cis-Chlordane	ND		ug/kg	2.08	0.580	1	B
trans-Chlordane	ND		ug/kg	2.08	0.550	1	B
Chlordane	ND		ug/kg	13.9	5.52	1	B

Project Name: 45 COMMERCIAL ST
Lab Number: L2151575
Project Number: 170229024
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	**254**	Q	30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/25/21 14:45
Analyst: AR
Percent Solids: 91%
Methylation Date: 09/25/21 05:43

Extraction Method: EPA 8151A
Extraction Date: 09/24/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	79		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/29/21 12:32
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.318	1	A
Lindane	ND		ug/kg	0.676	0.302	1	A
Alpha-BHC	ND		ug/kg	0.676	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.615	1	A
Heptachlor	ND		ug/kg	0.811	0.364	1	A
Aldrin	ND		ug/kg	1.62	0.571	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.913	1	A
Endrin	ND		ug/kg	0.676	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.710	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.01	0.507	1	A
4,4'-DDE	ND		ug/kg	1.62	0.375	1	A
4,4'-DDD	ND		ug/kg	1.62	0.579	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.676	0.322	1	A
Methoxychlor	ND		ug/kg	3.04	0.946	1	A
Toxaphene	ND		ug/kg	30.4	8.52	1	A
cis-Chlordane	ND		ug/kg	2.03	0.565	1	A
trans-Chlordane	ND		ug/kg	2.03	0.535	1	A
Chlordane	ND		ug/kg	13.5	5.37	1	A

Project Name: 45 COMMERCIAL ST
Lab Number: L2151575
Project Number: 170229024
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	**350**	Q	30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/25/21 15:03
Analyst: AR
Percent Solids: 93%
Methylation Date: 09/25/21 05:43

Extraction Method: EPA 8151A
Extraction Date: 09/24/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.50	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	83		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/29/21 12:44
Analyst: SDC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.313	1	A
Lindane	ND		ug/kg	0.666	0.298	1	A
Alpha-BHC	ND		ug/kg	0.666	0.189	1	A
Beta-BHC	ND		ug/kg	1.60	0.606	1	A
Heptachlor	ND		ug/kg	0.799	0.358	1	A
Aldrin	ND		ug/kg	1.60	0.562	1	A
Heptachlor epoxide	ND		ug/kg	3.00	0.899	1	A
Endrin	ND		ug/kg	0.666	0.273	1	A
Endrin aldehyde	ND		ug/kg	2.00	0.699	1	A
Endrin ketone	ND		ug/kg	1.60	0.411	1	A
Dieldrin	ND		ug/kg	0.998	0.499	1	A
4,4'-DDE	ND		ug/kg	1.60	0.369	1	A
4,4'-DDD	ND		ug/kg	1.60	0.570	1	A
4,4'-DDT	ND		ug/kg	3.00	1.28	1	A
Endosulfan I	ND		ug/kg	1.60	0.377	1	A
Endosulfan II	ND		ug/kg	1.60	0.534	1	A
Endosulfan sulfate	ND		ug/kg	0.666	0.317	1	A
Methoxychlor	ND		ug/kg	3.00	0.932	1	A
Toxaphene	ND		ug/kg	30.0	8.39	1	A
cis-Chlordane	ND		ug/kg	2.00	0.556	1	A
trans-Chlordane	ND		ug/kg	2.00	0.527	1	A
Chlordane	ND		ug/kg	13.3	5.29	1	A

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	**309**	Q	30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/25/21 15:22
Analyst: AR
Percent Solids: 94%
Methylation Date: 09/25/21 05:43

Extraction Method: EPA 8151A
Extraction Date: 09/24/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	103		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/29/21 12:55
Analyst: SDC
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.20	0.430	1	A
Lindane	ND		ug/kg	0.915	0.409	1	A
Alpha-BHC	ND		ug/kg	0.915	0.260	1	A
Beta-BHC	ND		ug/kg	2.20	0.833	1	A
Heptachlor	ND		ug/kg	1.10	0.492	1	A
Aldrin	ND		ug/kg	2.20	0.773	1	A
Heptachlor epoxide	ND		ug/kg	4.12	1.24	1	A
Endrin	ND		ug/kg	0.915	0.375	1	A
Endrin aldehyde	ND		ug/kg	2.74	0.961	1	A
Endrin ketone	ND		ug/kg	2.20	0.566	1	A
Dieldrin	ND		ug/kg	1.37	0.686	1	A
4,4'-DDE	ND		ug/kg	2.20	0.508	1	A
4,4'-DDD	ND		ug/kg	2.20	0.783	1	A
4,4'-DDT	ND		ug/kg	4.12	1.77	1	A
Endosulfan I	ND		ug/kg	2.20	0.519	1	A
Endosulfan II	ND		ug/kg	2.20	0.734	1	A
Endosulfan sulfate	ND		ug/kg	0.915	0.436	1	A
Methoxychlor	ND		ug/kg	4.12	1.28	1	A
Toxaphene	ND		ug/kg	41.2	11.5	1	A
cis-Chlordane	ND		ug/kg	2.74	0.765	1	A
trans-Chlordane	ND		ug/kg	2.74	0.725	1	A
Chlordane	ND		ug/kg	18.3	7.28	1	A

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	**214**	Q	30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/25/21 15:40
Analyst: AR
Percent Solids: 72%
Methylation Date: 09/25/21 05:43

Extraction Method: EPA 8151A
Extraction Date: 09/24/21 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	227	14.3	1	A
2,4,5-T	ND		ug/kg	227	7.04	1	A
2,4,5-TP (Silvex)	ND		ug/kg	227	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	94		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/25/21 10:28
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 09/24/21 11:42

Methylation Date: 09/25/21 05:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1550464-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.06	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	118		30-150	B

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/29/21 11:48
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1550762-1						
Delta-BHC	ND		ug/kg	1.50	0.295	A
Lindane	ND		ug/kg	0.627	0.280	A
Alpha-BHC	ND		ug/kg	0.627	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.570	A
Heptachlor	ND		ug/kg	0.752	0.337	A
Aldrin	ND		ug/kg	1.50	0.530	A
Heptachlor epoxide	ND		ug/kg	2.82	0.846	A
Endrin	ND		ug/kg	0.627	0.257	A
Endrin aldehyde	ND		ug/kg	1.88	0.658	A
Endrin ketone	ND		ug/kg	1.50	0.387	A
Dieldrin	ND		ug/kg	0.940	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.537	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.503	A
Endosulfan sulfate	ND		ug/kg	0.627	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.878	A
Toxaphene	ND		ug/kg	28.2	7.90	A
cis-Chlordane	ND		ug/kg	1.88	0.524	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.5	4.98	A

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/29/21 11:48
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 09/25/21 08:43
Cleanup Method: EPA 3620B
Cleanup Date: 09/29/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1550762-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550464-2 WG1550464-3									
2,4-D	93		96		30-150	3		30	A
2,4,5-T	94		90		30-150	4		30	A
2,4,5-TP (Silvex)	93		89		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	100		106		30-150	A
DCAA	104		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550762-2 WG1550762-3									
Delta-BHC	78		82		30-150	5		30	A
Lindane	76		87		30-150	13		30	A
Alpha-BHC	70		80		30-150	13		30	A
Beta-BHC	75		86		30-150	14		30	A
Heptachlor	83		95		30-150	13		30	A
Aldrin	77		91		30-150	17		30	A
Heptachlor epoxide	67		80		30-150	18		30	A
Endrin	82		96		30-150	16		30	A
Endrin aldehyde	75		87		30-150	15		30	A
Endrin ketone	71		83		30-150	16		30	A
Dieldrin	84		98		30-150	15		30	A
4,4'-DDE	76		88		30-150	15		30	A
4,4'-DDD	87		103		30-150	17		30	A
4,4'-DDT	87		104		30-150	18		30	A
Endosulfan I	72		84		30-150	15		30	A
Endosulfan II	80		93		30-150	15		30	A
Endosulfan sulfate	79		93		30-150	16		30	A
Methoxychlor	83		94		30-150	12		30	A
cis-Chlordane	59		69		30-150	16		30	A
trans-Chlordane	89		104		30-150	16		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1550762-2 WG1550762-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		96		30-150	A
Decachlorobiphenyl	123		133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		84		30-150	B
Decachlorobiphenyl	94		107		30-150	B

METALS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4570		mg/kg	8.46	2.28	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Antimony, Total	2.67	J	mg/kg	4.23	0.322	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Arsenic, Total	25.4		mg/kg	0.846	0.176	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Barium, Total	134		mg/kg	0.846	0.147	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Beryllium, Total	0.313	J	mg/kg	0.423	0.028	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Cadmium, Total	1.23		mg/kg	0.846	0.083	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Calcium, Total	4990		mg/kg	8.46	2.96	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Chromium, Total	14.8		mg/kg	0.846	0.081	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Cobalt, Total	14.4		mg/kg	1.69	0.140	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Copper, Total	143		mg/kg	0.846	0.218	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Iron, Total	65500		mg/kg	42.3	7.64	20	09/28/21 00:03	09/29/21 14:07	EPA 3050B	1,6010D	SV
Lead, Total	663		mg/kg	4.23	0.227	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Magnesium, Total	1970		mg/kg	8.46	1.30	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Manganese, Total	568		mg/kg	0.846	0.134	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Mercury, Total	0.831		mg/kg	0.079	0.051	1	09/28/21 00:35	09/28/21 11:30	EPA 7471B	1,7471B	AC
Nickel, Total	24.8		mg/kg	2.12	0.205	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Potassium, Total	341		mg/kg	212	12.2	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Selenium, Total	1.28	J	mg/kg	1.69	0.218	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Silver, Total	0.474	J	mg/kg	0.846	0.240	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Sodium, Total	155	J	mg/kg	169	2.67	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Thallium, Total	0.516	J	mg/kg	1.69	0.267	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Vanadium, Total	17.8		mg/kg	0.846	0.172	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
Zinc, Total	576		mg/kg	4.23	0.248	2	09/28/21 00:03	09/28/21 18:05	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.88	0.88	1		09/30/21 09:45	NA	107,-	

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3940		mg/kg	8.48	2.29	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Antimony, Total	1.27	J	mg/kg	4.24	0.322	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Arsenic, Total	17.2		mg/kg	0.848	0.176	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Barium, Total	67.7		mg/kg	0.848	0.148	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Beryllium, Total	0.314	J	mg/kg	0.424	0.028	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Cadmium, Total	0.746	J	mg/kg	0.848	0.083	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Calcium, Total	8270		mg/kg	8.48	2.97	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Chromium, Total	15.6		mg/kg	0.848	0.081	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Cobalt, Total	9.59		mg/kg	1.70	0.141	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Copper, Total	95.7		mg/kg	0.848	0.219	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Iron, Total	19900		mg/kg	4.24	0.766	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Lead, Total	502		mg/kg	4.24	0.227	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Magnesium, Total	3350		mg/kg	8.48	1.30	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Manganese, Total	210		mg/kg	0.848	0.135	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Mercury, Total	0.599		mg/kg	0.077	0.050	1	09/28/21 00:35	09/28/21 11:34	EPA 7471B	1,7471B	AC
Nickel, Total	16.6		mg/kg	2.12	0.205	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Potassium, Total	515		mg/kg	212	12.2	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Selenium, Total	0.729	J	mg/kg	1.70	0.219	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.848	0.240	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Sodium, Total	120	J	mg/kg	170	2.67	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Vanadium, Total	13.8		mg/kg	0.848	0.172	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
Zinc, Total	275		mg/kg	4.24	0.248	2	09/28/21 00:03	09/28/21 18:09	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.86	0.86	1		09/30/21 09:45	NA	107,-	

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6160		mg/kg	8.08	2.18	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Antimony, Total	0.420	J	mg/kg	4.04	0.307	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Arsenic, Total	6.91		mg/kg	0.808	0.168	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Barium, Total	58.7		mg/kg	0.808	0.140	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Beryllium, Total	0.331	J	mg/kg	0.404	0.027	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.808	0.079	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Calcium, Total	14200		mg/kg	8.08	2.83	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Chromium, Total	11.9		mg/kg	0.808	0.078	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Cobalt, Total	6.91		mg/kg	1.62	0.134	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Copper, Total	41.7		mg/kg	0.808	0.208	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Iron, Total	16000		mg/kg	4.04	0.729	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Lead, Total	500		mg/kg	4.04	0.216	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Magnesium, Total	4860		mg/kg	8.08	1.24	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Manganese, Total	324		mg/kg	0.808	0.128	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Mercury, Total	0.216		mg/kg	0.067	0.044	1	09/28/21 00:35	09/28/21 11:37	EPA 7471B	1,7471B	AC
Nickel, Total	13.2		mg/kg	2.02	0.195	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Potassium, Total	726		mg/kg	202	11.6	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Selenium, Total	0.210	J	mg/kg	1.62	0.208	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.808	0.228	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Sodium, Total	230		mg/kg	162	2.54	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.62	0.254	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Vanadium, Total	12.9		mg/kg	0.808	0.164	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
Zinc, Total	99.0		mg/kg	4.04	0.237	2	09/28/21 00:03	09/28/21 18:13	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.85	0.85	1		09/30/21 09:45	NA	107,-	

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY
Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3470		mg/kg	10.8	2.91	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Antimony, Total	1.00	J	mg/kg	5.40	0.410	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Arsenic, Total	4.76		mg/kg	1.08	0.224	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Barium, Total	90.6		mg/kg	1.08	0.188	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Beryllium, Total	0.237	J	mg/kg	0.540	0.036	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Cadmium, Total	0.518	J	mg/kg	1.08	0.106	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Calcium, Total	4250		mg/kg	10.8	3.78	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Chromium, Total	10.6		mg/kg	1.08	0.104	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Cobalt, Total	7.56		mg/kg	2.16	0.179	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Copper, Total	118		mg/kg	1.08	0.278	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Iron, Total	17900		mg/kg	5.40	0.975	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Lead, Total	381		mg/kg	5.40	0.289	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Magnesium, Total	1720		mg/kg	10.8	1.66	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Manganese, Total	172		mg/kg	1.08	0.172	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Mercury, Total	4.59		mg/kg	0.191	0.125	2	09/28/21 00:35	09/28/21 12:21	EPA 7471B	1,7471B	AC
Nickel, Total	17.7		mg/kg	2.70	0.261	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Potassium, Total	592		mg/kg	270	15.5	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Selenium, Total	8.47		mg/kg	2.16	0.278	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	1.08	0.305	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Sodium, Total	202	J	mg/kg	216	3.40	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	2.16	0.340	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Vanadium, Total	9.78		mg/kg	1.08	0.219	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
Zinc, Total	275		mg/kg	5.40	0.316	2	09/28/21 00:03	09/28/21 18:17	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11		mg/kg	1.1	1.1	1		09/30/21 09:45	NA	107,-	

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1551312-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Iron, Total	0.680	J	mg/kg	2.00	0.361	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Lead, Total	0.156	J	mg/kg	2.00	0.107	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Potassium, Total	8.02	J	mg/kg	100	5.76	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Sodium, Total	19.6	J	mg/kg	80.0	1.26	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/28/21 00:03	09/28/21 16:51	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1551313-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/28/21 00:35	09/28/21 10:18	1,7471B	AC

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1551312-2 SRM Lot Number: D109-540								
Aluminum, Total	57		-		50-150	-		
Antimony, Total	157		-		19-250	-		
Arsenic, Total	105		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	89		-		73-128	-		
Chromium, Total	93		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	100		-		75-125	-		
Iron, Total	89		-		35-165	-		
Lead, Total	99		-		72-128	-		
Magnesium, Total	76		-		62-138	-		
Manganese, Total	91		-		74-126	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	78		-		59-141	-		
Selenium, Total	103		-		68-132	-		
Silver, Total	98		-		68-131	-		
Sodium, Total	68		-		35-165	-		
Thallium, Total	101		-		68-131	-		
Vanadium, Total	82		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1551312-2 SRM Lot Number: D109-540					
Zinc, Total	98	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1551313-2 SRM Lot Number: D109-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551312-3 WG1551312-4 QC Sample: L2151537-02 Client ID: MS Sample												
Aluminum, Total	2400	162	2440	**25**	Q	2460	**38**	Q	75-125	1		20
Antimony, Total	ND	40.6	35.1	86		34.4	88		75-125	2		20
Arsenic, Total	1.48	9.74	9.97	87		9.57	86		75-125	4		20
Barium, Total	23.9	162	170	90		168	92		75-125	1		20
Beryllium, Total	0.175J	4.06	3.82	94		3.64	93		75-125	5		20
Cadmium, Total	ND	4.3	3.54	82		3.37	81		75-125	5		20
Calcium, Total	5090	812	6610	**187**	Q	6480	**178**	Q	75-125	2		20
Chromium, Total	3.20	16.2	17.3	87		16.6	86		75-125	4		20
Cobalt, Total	2.97	40.6	37.7	86		36.6	86		75-125	3		20
Copper, Total	5.13	20.3	23.3	90		22.4	88		75-125	4		20
Iron, Total	5890	81.2	5480	**0**	Q	5900	**13**	Q	75-125	7		20
Lead, Total	3.42J	43	39.7	92		37.8	91		75-125	5		20
Magnesium, Total	1530	812	2240	87		2120	76		75-125	6		20
Manganese, Total	170	40.6	198	**69**	Q	271	**259**	Q	75-125	**31**	Q	20
Nickel, Total	4.30	40.6	38.2	84		37.1	84		75-125	3		20
Potassium, Total	193J	812	982	121		932	119		75-125	5		20
Selenium, Total	ND	9.74	8.20	84		7.92	84		75-125	3		20
Silver, Total	ND	24.4	20.1	82		20.0	85		75-125	0		20
Sodium, Total	71.5J	812	770	95		726	93		75-125	6		20
Thallium, Total	ND	9.74	7.78	80		7.41	79		75-125	5		20
Vanadium, Total	6.02	40.6	38.8	81		38.5	83		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551312-3 WG1551312-4 QC Sample: L2151537-02 Client ID: MS Sample									
Zinc, Total	8.78	40.6	44.8	89	43.5	89	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551313-3 WG1551313-4 QC Sample: L2151537-02 Client ID: MS Sample									
Mercury, Total	ND	0.136	0.133	98	0.127	94	80-120	5	20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2151575
Report Date: 09/30/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551312-6 QC Sample: L2151537-02 Client ID: DUP Sample						
Aluminum, Total	2400	2480	mg/kg	3		20
Barium, Total	23.9	24.9	mg/kg	4		20
Calcium, Total	5090	5340	mg/kg	5		20
Iron, Total	5890	6200	mg/kg	5		20
Magnesium, Total	1530	1670	mg/kg	9		20
Manganese, Total	170	181	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-01
Client ID: EP46_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:20
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	09/24/21 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	09/29/21 11:34	09/30/21 09:45	1,7196A	JT

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-02
Client ID: EP47_4
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:30
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	09/24/21 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.862	0.172	1	09/29/21 11:34	09/30/21 09:45	1,7196A	JT

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-03
Client ID: EP40_5
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 07:40
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	09/24/21 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.851	0.170	1	09/29/21 11:34	09/30/21 09:45	1,7196A	JT

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2151575-05
Client ID: EP38_9
Sample Location: BROOKLYN, NY

Date Collected: 09/23/21 14:15
Date Received: 09/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.6		%	0.100	NA	1	-	09/24/21 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.12	0.223	1	09/29/21 11:34	09/30/21 09:45	1,7196A	JT

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2151575
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05 Batch: WG1551704-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/29/21 11:34	09/30/21 09:45	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1551704-2								
Chromium, Hexavalent	80		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551704-4 QC Sample: L2151575-02 Client ID: EP47_4												
Chromium, Hexavalent	ND	953	862	90		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2151575

Report Date: 09/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1550428-1 QC Sample: L2148441-17 Client ID: DUP Sample						
Solids, Total	87.1	88.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1551704-6 QC Sample: L2151575-02 Client ID: EP47_4						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2151575-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2151575-01B	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-01C	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-01E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2151575-01G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HEXCR-7196(30)
L2151575-01H	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2151575-01I	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2151575-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2151575-02B	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-02C	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-02E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2151575-02G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HEXCR-7196(30)
L2151575-02H	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2151575
Report Date: 09/30/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2151575-02I	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2151575-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2151575-03B	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-03C	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-03E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2151575-03G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HEXCR-7196(30)
L2151575-03H	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2151575-03I	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2151575-04A	Plastic 250ml unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2151575-05A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2151575-05B	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-05C	Vial water preserved	A	NA		3.3	Y	Absent	24-SEP-21 09:38	NYTCL-8260HLW(14)
L2151575-05D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-05E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2151575-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2151575-05G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HEXCR-7196(30)
L2151575-05H	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2151575-05I	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
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Report Date: 09/30/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2151575
Project Number:	170229024	**Report Date:**	09/30/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2151575
Project Number:	170229024	**Report Date:**	09/30/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

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Project Number:	170229024	**Report Date:**	09/30/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL
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TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 09/24/21

ALPHA Job #: L 2151575

Client Information

Client: Langan DPC
Address: 360 W 31st street
New York, NY 10001
Phone: 212 - 479 - 5400
Fax: 212 - 479 - 5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial St
Project Location: Brooklyn NY
Project #: 17022 9024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TOAL Metals/Hex tri	PFAS	1,4-dioxane		Sample Specific Comments	Total Bottle
S1575-01	EP 46-4	09/23/21	0720	Soil	YMD	x	x	x	x	x	x	x			
-02	EP 47-4	↓	0730	↓	↓	x	x	x	x	x	x	x			
-03	EP 40-5	↓	0740	↓	↓	x	x	x	x	x	x	x			
-04	PFB12-092321	↓	1240	AQ	↓						x				
-05	EP 38-9	↓	1415	Soil	↓	x	x	x	x	x	x	x			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	9/23/21 15:40	[signature] Dessel	9/23/21 15:40
[signature] Dessel	9/23/21 21:15	[signature]	9/23/21 21:30
[signature]	9/24/21 0220	[signature]	9/24/21 02:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2153818
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	10/18/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2153818-01	EPSW07	SOIL	BROOKLYN, NY	10/04/21 08:30	10/04/21
L2153818-02	EPSW06	SOIL	BROOKLYN, NY	10/04/21 08:40	10/04/21
L2153818-03	EPSW05	SOIL	BROOKLYN, NY	10/04/21 08:50	10/04/21
L2153818-04	EPSW03	SOIL	BROOKLYN, NY	10/04/21 09:00	10/04/21
L2153818-05	EPSW02	SOIL	BROOKLYN, NY	10/04/21 09:10	10/04/21
L2153818-06	EPSW01	SOIL	BROOKLYN, NY	10/04/21 09:20	10/04/21
L2153818-07	PFB13_100421	WATER	BROOKLYN, NY	10/04/21 10:00	10/04/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2153818
Project Number:	170229024	**Report Date:**	10/18/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818
Project Number: 170229024 **Report Date:** 10/18/21

Case Narrative (continued)

Report Submission
October 18, 2021: This final report includes the results of all requested analyses.
October 08, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution
L2153818-01, -02, and -03: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

Semivolatile Organics
L2153818-06D: The sample has elevated detection limits due to the dilution required by the sample matrix. The WG1554464-2/-3 LCS/LCSD recoveries, associated with L2153818-01D, -01, -02, -03, -03D, -04, -05D, -05, and -06D, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Pesticides
L2153818-01: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (169%, 182%); however, the sample was not re-extracted due to coelution with obvious interferences.
L2153818-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (614%) was above the acceptance criteria on column B; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (13%) and decachlorobiphenyl (23%) due to interference with the Internal Standard.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2153818
Project Number:	170229024	**Report Date:**	10/18/21

Case Narrative (continued)

Total Metals

L2153818-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/18/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 15:35
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.23	J	ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	115		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 15:55
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.89	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	**135**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 16:16
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.77	0.30	1
Chlorobenzene	ND		ug/kg	0.77	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.26	1
Bromodichloromethane	ND		ug/kg	0.77	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.77	0.24	1
Bromoform	ND		ug/kg	6.1	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.25	1
Benzene	ND		ug/kg	0.77	0.25	1
Toluene	ND		ug/kg	1.5	0.83	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.1	0.89	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.1	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.86	1
o-Xylene	ND		ug/kg	1.5	0.45	1
Xylenes, Total	ND		ug/kg	1.5	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.4	1
Carbon disulfide	ND		ug/kg	15	7.0	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.29	1
p-Chlorotoluene	ND		ug/kg	3.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	ND		ug/kg	6.1	1.0	1
Acrylonitrile	ND		ug/kg	6.1	1.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.51	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.27	1
p-Ethyltoluene	ND		ug/kg	3.1	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.29	1
Ethyl ether	ND		ug/kg	3.1	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	**133**	Q	70-130
Dibromofluoromethane	112		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 16:37
Analyst: AJK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.7	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	0.84	0.33	1
Chlorobenzene	ND		ug/kg	0.84	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.7	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.28	1
Bromodichloromethane	ND		ug/kg	0.84	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.84	0.27	1
Bromoform	ND		ug/kg	6.7	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.28	1
Benzene	ND		ug/kg	0.84	0.28	1
Toluene	ND		ug/kg	1.7	0.91	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.7	1.6	1
Bromomethane	ND		ug/kg	3.4	0.97	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
Chloroethane	ND		ug/kg	3.4	0.76	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.84	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	ND		ug/kg	3.4	0.94	1
o-Xylene	ND		ug/kg	1.7	0.49	1
Xylenes, Total	ND		ug/kg	1.7	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.4	0.40	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.5	1
Acetone	ND		ug/kg	17	8.1	1
Carbon disulfide	ND		ug/kg	17	7.6	1
2-Butanone	ND		ug/kg	17	3.7	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.21	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.24	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.32	1
p-Chlorotoluene	ND		ug/kg	3.4	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.28	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	ND		ug/kg	6.7	1.1	1
Acrylonitrile	ND		ug/kg	6.7	1.9	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	0.56	1
1,4-Dioxane	ND		ug/kg	130	59.	1
p-Diethylbenzene	ND		ug/kg	3.4	0.30	1
p-Ethyltoluene	ND		ug/kg	3.4	0.64	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.32	1
Ethyl ether	ND		ug/kg	3.4	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	111		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10
Client ID: EPSW02 Date Received: 10/04/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 16:58
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	111		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 Date Collected: 10/04/21 09:20
Client ID: EPSW01 Date Received: 10/04/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 16:50
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 Date Collected: 10/04/21 09:20

Client ID: EPSW01 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 Date Collected: 10/04/21 09:20

Client ID: EPSW01 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:43
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1555752-5					
Methylene chloride	4.0	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:43
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1555752-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:43
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1555752-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	115		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1556132-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	2.2	J	ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1556132-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	0.17	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.21	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1556132-5					
p-Chlorotoluene	0.13	J	ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1555752-3 WG1555752-4								
Methylene chloride	91		94		70-130	3		30
1,1-Dichloroethane	89		92		70-130	3		30
Chloroform	88		90		70-130	2		30
Carbon tetrachloride	80		82		70-130	2		30
1,2-Dichloropropane	86		90		70-130	5		30
Dibromochloromethane	78		80		70-130	3		30
1,1,2-Trichloroethane	84		87		70-130	4		30
Tetrachloroethene	86		86		70-130	0		30
Chlorobenzene	88		87		70-130	1		30
Trichlorofluoromethane	82		84		70-139	2		30
1,2-Dichloroethane	83		88		70-130	6		30
1,1,1-Trichloroethane	89		91		70-130	2		30
Bromodichloromethane	82		85		70-130	4		30
trans-1,3-Dichloropropene	87		89		70-130	2		30
cis-1,3-Dichloropropene	86		91		70-130	6		30
1,1-Dichloropropene	89		90		70-130	1		30
Bromoform	72		71		70-130	1		30
1,1,2,2-Tetrachloroethane	96		93		70-130	3		30
Benzene	87		88		70-130	1		30
Toluene	88		88		70-130	0		30
Ethylbenzene	93		90		70-130	3		30
Chloromethane	92		92		52-130	0		30
Bromomethane	73		72		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1555752-3 WG1555752-4								
Vinyl chloride	95		96		67-130	1		30
Chloroethane	93		96		50-151	3		30
1,1-Dichloroethene	86		86		65-135	0		30
trans-1,2-Dichloroethene	87		88		70-130	1		30
Trichloroethene	83		84		70-130	1		30
1,2-Dichlorobenzene	91		86		70-130	6		30
1,3-Dichlorobenzene	93		85		70-130	9		30
1,4-Dichlorobenzene	89		84		70-130	6		30
Methyl tert butyl ether	85		91		66-130	7		30
p/m-Xylene	92		90		70-130	2		30
o-Xylene	93		92		70-130	1		30
cis-1,2-Dichloroethene	87		89		70-130	2		30
Dibromomethane	80		85		70-130	6		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	106		107		30-146	1		30
Acetone	57		62		54-140	8		30
Carbon disulfide	83		84		59-130	1		30
2-Butanone	70		72		70-130	3		30
Vinyl acetate	81		87		70-130	7		30
4-Methyl-2-pentanone	80		86		70-130	7		30
1,2,3-Trichloropropane	87		85		68-130	2		30
2-Hexanone	76		80		70-130	5		30
Bromochloromethane	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1555752-3 WG1555752-4								
2,2-Dichloropropane	88		88		70-130	0		30
1,2-Dibromoethane	89		91		70-130	2		30
1,3-Dichloropropane	89		92		69-130	3		30
1,1,1,2-Tetrachloroethane	84		85		70-130	1		30
Bromobenzene	92		87		70-130	6		30
n-Butylbenzene	96		89		70-130	8		30
sec-Butylbenzene	98		92		70-130	6		30
tert-Butylbenzene	100		93		70-130	7		30
o-Chlorotoluene	95		89		70-130	7		30
p-Chlorotoluene	99		91		70-130	8		30
1,2-Dibromo-3-chloropropane	69		72		68-130	4		30
Hexachlorobutadiene	94		86		67-130	9		30
Isopropylbenzene	99		91		70-130	8		30
p-Isopropyltoluene	97		90		70-130	7		30
Naphthalene	81		78		70-130	4		30
Acrylonitrile	89		93		70-130	4		30
n-Propylbenzene	99		92		70-130	7		30
1,2,3-Trichlorobenzene	84		80		70-130	5		30
1,2,4-Trichlorobenzene	84		80		70-130	5		30
1,3,5-Trimethylbenzene	98		91		70-130	7		30
1,2,4-Trimethylbenzene	97		89		70-130	9		30
1,4-Dioxane	86		92		65-136	7		30
p-Diethylbenzene	95		88		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1555752-3 WG1555752-4								
p-Ethyltoluene	99		91		70-130	8		30
1,2,4,5-Tetramethylbenzene	93		87		70-130	7		30
Ethyl ether	80		87		67-130	8		30
trans-1,4-Dichloro-2-butene	78		77		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	111		107		70-130
Dibromofluoromethane	106		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1556132-3 WG1556132-4								
Methylene chloride	102		103		70-130	1		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	90		90		70-130	0		30
Carbon tetrachloride	103		103		70-130	0		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	94		102		70-130	8		30
1,1,2-Trichloroethane	90		98		70-130	9		30
Tetrachloroethene	106		108		70-130	2		30
Chlorobenzene	99		103		70-130	4		30
Trichlorofluoromethane	100		99		70-139	1		30
1,2-Dichloroethane	93		95		70-130	2		30
1,1,1-Trichloroethane	96		97		70-130	1		30
Bromodichloromethane	87		89		70-130	2		30
trans-1,3-Dichloropropene	96		103		70-130	7		30
cis-1,3-Dichloropropene	101		104		70-130	3		30
1,1-Dichloropropene	96		99		70-130	3		30
Bromoform	92		99		70-130	7		30
1,1,2,2-Tetrachloroethane	83		94		70-130	12		30
Benzene	98		99		70-130	1		30
Toluene	98		101		70-130	3		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	98		96		52-130	2		30
Bromomethane	102		101		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1556132-3 WG1556132-4								
Vinyl chloride	100		99		67-130	1		30
Chloroethane	82		82		50-151	0		30
1,1-Dichloroethene	92		92		65-135	0		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	97		98		70-130	1		30
1,2-Dichlorobenzene	96		99		70-130	3		30
1,3-Dichlorobenzene	98		100		70-130	2		30
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	87		96		66-130	10		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	97		99		70-130	2		30
cis-1,2-Dichloroethene	89		91		70-130	2		30
Dibromomethane	86		91		70-130	6		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	95		94		30-146	1		30
Acetone	64		74		54-140	14		30
Carbon disulfide	95		94		59-130	1		30
2-Butanone	74		87		70-130	16		30
Vinyl acetate	92		102		70-130	10		30
4-Methyl-2-pentanone	83		97		70-130	16		30
1,2,3-Trichloropropane	91		102		68-130	11		30
2-Hexanone	73		88		70-130	19		30
Bromochloromethane	90		90		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1556132-3 WG1556132-4								
2,2-Dichloropropane	93		93		70-130	0		30
1,2-Dibromoethane	97		108		70-130	11		30
1,3-Dichloropropane	96		104		69-130	8		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		102		70-130	2		30
n-Butylbenzene	102		103		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	103		104		70-130	1		30
o-Chlorotoluene	99		99		70-130	0		30
p-Chlorotoluene	98		98		70-130	0		30
1,2-Dibromo-3-chloropropane	84		96		68-130	13		30
Hexachlorobutadiene	101		100		67-130	1		30
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	102		102		70-130	0		30
Naphthalene	89		99		70-130	11		30
Acrylonitrile	77		84		70-130	9		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	92		98		70-130	6		30
1,2,4-Trichlorobenzene	93		98		70-130	5		30
1,3,5-Trimethylbenzene	101		101		70-130	0		30
1,2,4-Trimethylbenzene	99		99		70-130	0		30
1,4-Dioxane	83		94		65-136	12		30
p-Diethylbenzene	100		101		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1556132-3 WG1556132-4								
p-Ethyltoluene	100		100		70-130	0		30
1,2,4,5-Tetramethylbenzene	88		99		70-130	12		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	81		89		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	91		92		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/21 05:19
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	12000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	430		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	640		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	98	J	ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	5600		ug/kg	110	21.	1
Benzo(a)pyrene	5300		ug/kg	150	45.	1
Benzo(b)fluoranthene	6400		ug/kg	110	31.	1
Benzo(k)fluoranthene	2400		ug/kg	110	30.	1
Chrysene	5200		ug/kg	110	19.	1
Acenaphthylene	250		ug/kg	150	29.	1
Anthracene	2000		ug/kg	110	36.	1
Benzo(ghi)perylene	3000		ug/kg	150	22.	1
Fluorene	800		ug/kg	180	18.	1
Phenanthrene	8700	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	770		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3600		ug/kg	150	26.	1
Pyrene	11000	E	ug/kg	110	18.	1
Biphenyl	83	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	480		ug/kg	180	18.	1
2-Methylnaphthalene	280		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	64	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	1100		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	98		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 22:31
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.024	J	ng/g	0.497	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.497	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.248	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.497	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.248	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.248	0.060	1
Perfluorooctanoic Acid (PFOA)	0.142	J	ng/g	0.248	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.497	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.497	0.136	1
Perfluorononanoic Acid (PFNA)	0.137	J	ng/g	0.248	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	1.54		ng/g	0.248	0.129	1
Perfluorodecanoic Acid (PFDA)	0.498		ng/g	0.248	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.497	0.285	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.497	0.200	1
Perfluoroundecanoic Acid (PFUnA)	0.307	J	ng/g	0.497	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.497	0.152	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.233	J	ng/g	0.497	0.084	1
Perfluorododecanoic Acid (PFDoA)	0.282	J	ng/g	0.497	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.497	0.203	1
Perfluorotetradecanoic Acid (PFTA)	0.145	J	ng/g	0.497	0.054	1
PFOA/PFOS, Total	1.68	J	ng/g	0.248	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/17/21 14:44
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.497	0.097	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 D
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/08/21 10:39
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	7900		ug/kg	560	110	5
Phenanthrene	5300		ug/kg	560	110	5
Pyrene	6500		ug/kg	560	92.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/06/21 08:25
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	2700		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	210		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	590		ug/kg	180	63.	1
Butyl benzyl phthalate	50	J	ug/kg	180	46.	1
Di-n-butylphthalate	61	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1300		ug/kg	110	20.	1
Benzo(a)pyrene	1100		ug/kg	140	44.	1
Benzo(b)fluoranthene	1400		ug/kg	110	30.	1
Benzo(k)fluoranthene	520		ug/kg	110	29.	1
Chrysene	1300		ug/kg	110	19.	1
Acenaphthylene	190		ug/kg	140	28.	1
Anthracene	510		ug/kg	110	35.	1
Benzo(ghi)perylene	820		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	2100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	200		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	900		ug/kg	140	25.	1
Pyrene	2400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	150	J	ug/kg	180	17.	1
2-Methylnaphthalene	160	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	36	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	220		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	63		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 23:04
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.066	J	ng/g	0.515	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.117	J	ng/g	0.515	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.257	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.088	J	ng/g	0.515	0.054	1
Perfluoroheptanoic Acid (PFHpA)	0.054	J	ng/g	0.257	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.257	0.062	1
Perfluorooctanoic Acid (PFOA)	0.336		ng/g	0.257	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.515	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.515	0.140	1
Perfluorononanoic Acid (PFNA)	0.197	J	ng/g	0.257	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	1.75		ng/g	0.257	0.134	1
Perfluorodecanoic Acid (PFDA)	0.325		ng/g	0.257	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.515	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.515	0.207	1
Perfluoroundecanoic Acid (PFUnA)	0.257	J	ng/g	0.515	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.515	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.515	0.087	1
Perfluorododecanoic Acid (PFDoA)	0.199	J	ng/g	0.515	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.515	0.210	1
Perfluorotetradecanoic Acid (PFTA)	0.102	J	ng/g	0.515	0.056	1
PFOA/PFOS, Total	2.09		ng/g	0.257	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/17/21 14:52
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.515	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/21 06:07
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	620		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	9400	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	670		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	710		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	67	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	4300		ug/kg	110	20.	1
Benzo(a)pyrene	3800		ug/kg	140	44.	1
Benzo(b)fluoranthene	5000		ug/kg	110	31.	1
Benzo(k)fluoranthene	1600		ug/kg	110	29.	1
Chrysene	4200		ug/kg	110	19.	1
Acenaphthylene	320		ug/kg	140	28.	1
Anthracene	1200		ug/kg	110	36.	1
Benzo(ghi)perylene	2600		ug/kg	140	21.	1
Fluorene	550		ug/kg	180	18.	1
Phenanthrene	7500	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	620		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	140	25.	1
Pyrene	7900	E	ug/kg	110	18.	1
Biphenyl	90	J	ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	490		ug/kg	180	17.	1
2-Methylnaphthalene	350		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	100	J	ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	680		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	116		10-120
Nitrobenzene-d5	**126**	Q	23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	79		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 23:21
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.048	J	ng/g	0.533	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.115	J	ng/g	0.533	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.086	J	ng/g	0.533	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.049	J	ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	0.306		ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.533	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.533	0.146	1
Perfluorononanoic Acid (PFNA)	0.246	J	ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	1.54		ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	0.275		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.533	0.306	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.533	0.215	1
Perfluoroundecanoic Acid (PFUnA)	0.255	J	ng/g	0.533	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.533	0.163	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.533	0.090	1
Perfluorododecanoic Acid (PFDoA)	0.168	J	ng/g	0.533	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.533	0.218	1
Perfluorotetradecanoic Acid (PFTA)	0.088	J	ng/g	0.533	0.058	1
PFOA/PFOS, Total	1.85		ng/g	0.267	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/17/21 14:59
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.533	0.104	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	50		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 D
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/08/21 11:24
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	6300		ug/kg	550	100	5
Phenanthrene	4800		ug/kg	550	110	5
Pyrene	5300		ug/kg	550	90.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/21 04:56
Analyst: JG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	66	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	1000		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	43	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	640		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	620		ug/kg	110	20.	1
Benzo(a)pyrene	500		ug/kg	140	43.	1
Benzo(b)fluoranthene	740		ug/kg	110	30.	1
Benzo(k)fluoranthene	220		ug/kg	110	28.	1
Chrysene	570		ug/kg	110	18.	1
Acenaphthylene	57	J	ug/kg	140	27.	1
Anthracene	200		ug/kg	110	34.	1
Benzo(ghi)perylene	410		ug/kg	140	21.	1
Fluorene	60	J	ug/kg	180	17.	1
Phenanthrene	880		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	83	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	140	25.	1
Pyrene	1000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	41	J	ug/kg	180	17.	1
2-Methylnaphthalene	28	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	79	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	78		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 23:37
Analyst: MP
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.061	J	ng/g	0.481	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.171	J	ng/g	0.481	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.240	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.232	J	ng/g	0.481	0.051	1
Perfluoroheptanoic Acid (PFHpA)	0.170	J	ng/g	0.240	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.240	0.058	1
Perfluorooctanoic Acid (PFOA)	0.493		ng/g	0.240	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.481	0.172	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.481	0.131	1
Perfluorononanoic Acid (PFNA)	0.275		ng/g	0.240	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	4.50		ng/g	0.240	0.125	1
Perfluorodecanoic Acid (PFDA)	0.287		ng/g	0.240	0.064	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.481	0.276	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.481	0.194	1
Perfluoroundecanoic Acid (PFUnA)	0.210	J	ng/g	0.481	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.481	0.147	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.481	0.094	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.481	0.081	1
Perfluorododecanoic Acid (PFDoA)	0.145	J	ng/g	0.481	0.067	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.481	0.196	1
Perfluorotetradecanoic Acid (PFTA)	0.082	JF	ng/g	0.481	0.052	1
PFOA/PFOS, Total	4.99		ng/g	0.240	0.040	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	119		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	77		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	115		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/07/21 04:32
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	580		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	8700	E	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	340		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	440		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	45	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	17	J	ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	3700		ug/kg	110	20.	1
Benzo(a)pyrene	3200		ug/kg	140	44.	1
Benzo(b)fluoranthene	4400		ug/kg	110	30.	1
Benzo(k)fluoranthene	1400		ug/kg	110	28.	1
Chrysene	3500		ug/kg	110	18.	1
Acenaphthylene	240		ug/kg	140	28.	1
Anthracene	1300		ug/kg	110	35.	1
Benzo(ghi)perylene	2200		ug/kg	140	21.	1
Fluorene	600		ug/kg	180	17.	1
Phenanthrene	7600	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	500		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	140	25.	1
Pyrene	8000	E	ug/kg	110	18.	1
Biphenyl	62	J	ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	410		ug/kg	180	17.	1
2-Methylnaphthalene	190	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	33	J	ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	42	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	840		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	108		25-120
Phenol-d6	**128**	Q	10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	93		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 23:54
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.054	J	ng/g	0.519	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.049	J	ng/g	0.519	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.085	J	ng/g	0.519	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	0.072	J	ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.519	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.519	0.142	1
Perfluorononanoic Acid (PFNA)	0.078	J	ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.483		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	0.282		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.519	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.519	0.209	1
Perfluoroundecanoic Acid (PFUnA)	0.308	J	ng/g	0.519	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.519	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.519	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.519	0.088	1
Perfluorododecanoic Acid (PFDoA)	0.254	J	ng/g	0.519	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.519	0.212	1
Perfluorotetradecanoic Acid (PFTA)	0.157	J	ng/g	0.519	0.056	1
PFOA/PFOS, Total	0.555	J	ng/g	0.260	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	145		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 D
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/08/21 11:46
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	6000		ug/kg	540	100	5
Phenanthrene	4700		ug/kg	540	110	5
Pyrene	4900		ug/kg	540	89.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/16/21 00:10
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.143	J	ng/g	0.479	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.289	J	ng/g	0.479	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.239	0.037	1
Perfluorohexanoic Acid (PFHxA)	0.274	J	ng/g	0.479	0.050	1
Perfluoroheptanoic Acid (PFHpA)	0.146	J	ng/g	0.239	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.239	0.058	1
Perfluorooctanoic Acid (PFOA)	0.328		ng/g	0.239	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.479	0.172	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.479	0.131	1
Perfluorononanoic Acid (PFNA)	0.234	J	ng/g	0.239	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	3.11		ng/g	0.239	0.124	1
Perfluorodecanoic Acid (PFDA)	0.591		ng/g	0.239	0.064	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.479	0.275	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.479	0.193	1
Perfluoroundecanoic Acid (PFUnA)	0.415	J	ng/g	0.479	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.479	0.146	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.479	0.094	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.479	0.081	1
Perfluorododecanoic Acid (PFDoA)	0.276	J	ng/g	0.479	0.067	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.479	0.196	1
Perfluorotetradecanoic Acid (PFTA)	0.145	J	ng/g	0.479	0.052	1
PFOA/PFOS, Total	3.44		ng/g	0.239	0.040	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 Date Collected: 10/04/21 09:20

Client ID: EPSW01 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	141		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 D
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/08/21 12:09
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	210	J	ug/kg	720	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	100	5
Hexachlorobenzene	ND		ug/kg	540	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	120	5
2-Chloronaphthalene	ND		ug/kg	900	90.	5
1,2-Dichlorobenzene	ND		ug/kg	900	160	5
1,3-Dichlorobenzene	ND		ug/kg	900	160	5
1,4-Dichlorobenzene	ND		ug/kg	900	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	240	5
2,4-Dinitrotoluene	ND		ug/kg	900	180	5
2,6-Dinitrotoluene	ND		ug/kg	900	160	5
Fluoranthene	3400		ug/kg	540	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	900	97.	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	90.	5
Hexachlorobutadiene	ND		ug/kg	900	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	820	5
Hexachloroethane	ND		ug/kg	720	150	5
Isophorone	ND		ug/kg	810	120	5
Naphthalene	120	J	ug/kg	900	110	5
Nitrobenzene	ND		ug/kg	810	130	5
NDPA/DPA	ND		ug/kg	720	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	900	140	5
Bis(2-ethylhexyl)phthalate	1300		ug/kg	900	310	5
Butyl benzyl phthalate	ND		ug/kg	900	230	5
Di-n-butylphthalate	ND		ug/kg	900	170	5
Di-n-octylphthalate	ND		ug/kg	900	310	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 D Date Collected: 10/04/21 09:20

Client ID: EPSW01 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	900	84.	5
Dimethyl phthalate	ND		ug/kg	900	190	5
Benzo(a)anthracene	1500		ug/kg	540	100	5
Benzo(a)pyrene	1400		ug/kg	720	220	5
Benzo(b)fluoranthene	1800		ug/kg	540	150	5
Benzo(k)fluoranthene	660		ug/kg	540	140	5
Chrysene	1400		ug/kg	540	94.	5
Acenaphthylene	ND		ug/kg	720	140	5
Anthracene	490	J	ug/kg	540	180	5
Benzo(ghi)perylene	1000		ug/kg	720	110	5
Fluorene	170	J	ug/kg	900	88.	5
Phenanthrene	2300		ug/kg	540	110	5
Dibenzo(a,h)anthracene	210	J	ug/kg	540	100	5
Indeno(1,2,3-cd)pyrene	1200		ug/kg	720	120	5
Pyrene	2900		ug/kg	540	90.	5
Biphenyl	ND		ug/kg	2000	210	5
4-Chloroaniline	ND		ug/kg	900	160	5
2-Nitroaniline	ND		ug/kg	900	170	5
3-Nitroaniline	ND		ug/kg	900	170	5
4-Nitroaniline	ND		ug/kg	900	370	5
Dibenzofuran	120	J	ug/kg	900	85.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	900	94.	5
Acetophenone	ND		ug/kg	900	110	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
p-Chloro-m-cresol	ND		ug/kg	900	130	5
2-Chlorophenol	ND		ug/kg	900	110	5
2,4-Dichlorophenol	ND		ug/kg	810	140	5
2,4-Dimethylphenol	ND		ug/kg	900	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4300	420	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	720	200	5
Phenol	ND		ug/kg	900	140	5
2-Methylphenol	ND		ug/kg	900	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 D
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	900	170	5
Benzoic Acid	ND		ug/kg	2900	910	5
Benzyl Alcohol	ND		ug/kg	900	280	5
Carbazole	230	J	ug/kg	900	88.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	50		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-07
Client ID: PFB13_100421
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 10:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 18:43
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 18:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.74	0.356	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.74	0.346	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.74	0.208	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.74	0.286	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.74	0.196	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.74	0.328	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.74	0.206	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.74	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.74	0.600	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.74	0.272	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.74	0.440	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.74	0.265	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.74	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.74	0.565	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.74	0.227	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.74	0.855	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.74	0.506	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.74	0.702	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.74	0.324	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.74	0.286	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.74	0.216	1
PFOA/PFOS, Total	ND		ng/l	1.74	0.206	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-07 Date Collected: 10/04/21 10:00

Client ID: PFB13_100421 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 00:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/05/21 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1554464-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 00:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/05/21 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1554464-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 00:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/05/21 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1554464-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	118		10-120
Nitrobenzene-d5	118		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	119		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 20:18
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1555049-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 20:18
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1555049-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/17/21 14:08
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/06/21 11:18

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1555049-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/12/21 14:40
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 18:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1557221-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/12/21 14:40
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 18:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1557221-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/13/21 18:46
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 18:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1557221-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63		10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1554464-2 WG1554464-3								
Acenaphthene	49		46		31-137	6		50
1,2,4-Trichlorobenzene	52		58		38-107	11		50
Hexachlorobenzene	50		42		40-140	17		50
Bis(2-chloroethyl)ether	55		63		40-140	14		50
2-Chloronaphthalene	55		55		40-140	0		50
1,2-Dichlorobenzene	58		59		40-140	2		50
1,3-Dichlorobenzene	49		57		40-140	15		50
1,4-Dichlorobenzene	57		56		28-104	2		50
3,3'-Dichlorobenzidine	**38**	Q	**35**	Q	40-140	8		50
2,4-Dinitrotoluene	55		50		40-132	10		50
2,6-Dinitrotoluene	61		57		40-140	7		50
Fluoranthene	53		49		40-140	8		50
4-Chlorophenyl phenyl ether	48		45		40-140	6		50
4-Bromophenyl phenyl ether	47		41		40-140	14		50
Bis(2-chloroisopropyl)ether	68		65		40-140	5		50
Bis(2-chloroethoxy)methane	55		62		40-117	12		50
Hexachlorobutadiene	47		47		40-140	0		50
Hexachlorocyclopentadiene	**25**	Q	**26**	Q	40-140	4		50
Hexachloroethane	58		58		40-140	0		50
Isophorone	62		65		40-140	5		50
Naphthalene	50		51		40-140	2		50
Nitrobenzene	64		63		40-140	2		50
NDPA/DPA	49		46		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1554464-2 WG1554464-3								
n-Nitrosodi-n-propylamine	66		66		32-121	0		50
Bis(2-ethylhexyl)phthalate	56		52		40-140	7		50
Butyl benzyl phthalate	56		54		40-140	4		50
Di-n-butylphthalate	61		53		40-140	14		50
Di-n-octylphthalate	57		55		40-140	4		50
Diethyl phthalate	53		48		40-140	10		50
Dimethyl phthalate	61		58		40-140	5		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	52		48		40-140	8		50
Benzo(b)fluoranthene	50		47		40-140	6		50
Benzo(k)fluoranthene	50		46		40-140	8		50
Chrysene	49		46		40-140	6		50
Acenaphthylene	55		55		40-140	0		50
Anthracene	52		49		40-140	6		50
Benzo(ghi)perylene	54		50		40-140	8		50
Fluorene	50		47		40-140	6		50
Phenanthrene	49		48		40-140	2		50
Dibenzo(a,h)anthracene	54		50		40-140	8		50
Indeno(1,2,3-cd)pyrene	56		51		40-140	9		50
Pyrene	51		49		35-142	4		50
Biphenyl	54		54		37-127	0		50
4-Chloroaniline	63		59		40-140	7		50
2-Nitroaniline	59		58		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1554464-2 WG1554464-3								
3-Nitroaniline	45		43		26-129	5		50
4-Nitroaniline	52		48		41-125	8		50
Dibenzofuran	48		46		40-140	4		50
2-Methylnaphthalene	53		50		40-140	6		50
1,2,4,5-Tetrachlorobenzene	49		52		40-117	6		50
Acetophenone	67		68		14-144	1		50
2,4,6-Trichlorophenol	54		54		30-130	0		50
p-Chloro-m-cresol	62		57		26-103	8		50
2-Chlorophenol	56		66		25-102	16		50
2,4-Dichlorophenol	65		64		30-130	2		50
2,4-Dimethylphenol	63		68		30-130	8		50
2-Nitrophenol	58		59		30-130	2		50
4-Nitrophenol	59		57		11-114	3		50
2,4-Dinitrophenol	24		18		4-130	29		50
4,6-Dinitro-o-cresol	45		41		10-130	9		50
Pentachlorophenol	42		36		17-109	15		50
Phenol	60		67		26-90	11		50
2-Methylphenol	66		65		30-130.	2		50
3-Methylphenol/4-Methylphenol	68		74		30-130	8		50
2,4,5-Trichlorophenol	54		54		30-130	0		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	72		70		40-140	3		50
Carbazole	**51**	Q	**52**	Q	54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1554464-2 WG1554464-3								
1,4-Dioxane	**30**	Q	**36**	Q	40-140	18		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		61		25-120
Phenol-d6	60		69		10-120
Nitrobenzene-d5	62		66		23-120
2-Fluorobiphenyl	53		52		30-120
2,4,6-Tribromophenol	53		45		10-136
4-Terphenyl-d14	50		48		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1555049-2								
Perfluorobutanoic Acid (PFBA)	94		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	90		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	99		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	94		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	96		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	86		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	99		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	91		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1555049-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1555049-2								
Perfluorooctanesulfonamide (FOSA)	107		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1557221-2								
Perfluorobutanoic Acid (PFBA)	103		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	102		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	101		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	101		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	101		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	101		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	107		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	103		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1557221-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1557221-2								
Perfluorooctanesulfonamide (FOSA)	117		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60				10-112

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1555049-3 QC Sample: L2153320-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.42	5.09	94		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.42	5.09	94		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.81	4.55	95		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.07	5.03	99		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.42	5.03	93		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.09	4.70	92		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.42	5.06	93		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.065J	4.95	4.62	92		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.212J	5.42	5.41	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.16	5.19	101		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.16	4.81	93		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.42	5.19	96		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	5.08	5.02	10.6	110		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.42	5.18	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.2	4.74	91		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.21	5.12	98		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.315J	5.42	5.35	93		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.42	4.97	92		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.22	5.50	105		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.42	4.92	91		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.297J	5.42	5.61F	98		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.42	5.06	93		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1555049-3 QC Sample: L2153320-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.42	5.30	98		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.42	4.92	91		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	83				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	108				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	91				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1557221-3 WG1557221-4 QC Sample: L2153698-06 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	5.70	36.9	42.0	98		43.0	99		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	5.44	36.9	42.2	100		42.7	98		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	2.96	32.8	35.5	99		36.7	100		65-157	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.6	37.3	108		35.6	101		37-219	5		30
Perfluorohexanoic Acid (PFHxA)	4.48	36.9	41.5	100		41.5	98		69-168	0		30
Perfluoropentanesulfonic Acid (PFPeS)	0.456J	34.7	35.4	101		35.1	97		52-156	1		30
Perfluoroheptanoic Acid (PFHpA)	2.62	36.9	39.9	101		40.6	100		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	2.10	33.8	35.7	100		35.8	98		69-177	0		30
Perfluorooctanoic Acid (PFOA)	9.97	36.9	46.3	98		48.7	102		63-159	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.2	35.4	101		39.8	111		49-187	12		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.2	34.7	99		35.9	100		61-179	3		30
Perfluorononanoic Acid (PFNA)	0.919J	36.9	37.6	99		38.2	99		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	16.9	34.3	50.7	99		52.5	101		52-151	3		30
Perfluorodecanoic Acid (PFDA)	0.298J	36.9	35.4	95		38.0	100		63-171	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.5	34.1	96		35.8	99		56-173	5		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.5	33.4	94		33.8	93		48-150	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.9	36.0	97		40.8	108		60-166	13		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.9	34.3	93		37.4	99		60-153	9		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.6	36.7	103		36.8	101		38-156	0		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.9	36.6	99		37.8	100		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	ND	36.9	36.2	98		36.6	97		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.9	37.6	102		40.6	107		48-158	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1557221-3 WG1557221-4 QC Sample: L2153698-06 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	36.9	34.5	93		35.2	93		59-182	2		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		78		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	112		104		12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		78		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		44		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	47		37		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		63		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	69		**57**	Q	62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		57		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68		**57**	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		88		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		63		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		71		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		63		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		73		62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		84		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	71		**60**	Q	62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		62		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		83		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1557221-5 WG1557221-6 QC Sample: L2153838-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	15.8	37.4	53.4	101		52.9	100		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	3.42	37.4	40.5	99		41.0	101		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	3.50	33.2	37.0	101		36.2	99		65-157	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35	36.1	103		37.2	107		37-219	3		30
Perfluorohexanoic Acid (PFHxA)	3.40	37.4	41.6	102		40.8	100		69-168	2		30
Perfluoropentanesulfonic Acid (PFPeS)	1.04JF	35.1	36.0	100		37.1	103		52-156	3		30
Perfluoroheptanoic Acid (PFHpA)	1.72J	37.4	39.2	100		39.4	101		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	7.66	34.2	41.5	99		41.5	99		69-177	0		30
Perfluorooctanoic Acid (PFOA)	30.0	37.4	68.1	102		67.2	100		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.6	39.5	111		38.9	110		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.6	34.7	98		36.4	103		61-179	5		30
Perfluorononanoic Acid (PFNA)	3.65	37.4	39.7	96		40.4	99		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	20.5	34.7	54.2	97		54.7	99		52-151	1		30
Perfluorodecanoic Acid (PFDA)	1.55J	37.4	37.4	96		36.3	93		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.9	34.4	96		33.2	93		56-173	4		30
Perfluorononanesulfonic Acid (PFNS)	ND	36	32.8	91		32.6	91		48-150	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.18F	37.4	38.0	88		36.4	84		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.4	33.9	91		33.6	90		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36	35.7	99		35.4	98		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	ND	37.4	35.3F	94		35.2	94		46-170	0		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	7.51	37.4	45.0	100		42.2	93		45-170	6		30
Perfluorododecanoic Acid (PFDoA)	ND	37.4	34.2	92		34.4	92		67-153	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1557221-5 WG1557221-6 QC Sample: L2153838-04 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.4	40.9	109		37.4	100		48-158	9		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.4	35.8	96		34.7	93		59-182	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		119		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	131		133		12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		124		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		70		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		52		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		83		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		74		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		69		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		73		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		88		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		88		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		79		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		87		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		16		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		84		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		76		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		75		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		89		70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1555049-4 QC Sample: L2153532-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.182J	0.182J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	0.937	0.890	ng/g	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	0.495J	0.490J	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	0.217J	0.214J	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.345	0.364	ng/g	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.251J	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	0.101J	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.606	0.590	ng/g	3		30
Perfluorodecanoic Acid (PFDA)	0.093J	0.091J	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	0.063J	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1555049-4 QC Sample: L2153532-01 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		78		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		89		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	113		96		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		73		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		79		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		92		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		120		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	149		141		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		100		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		89		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1555049-4 QC Sample: L2153532-01 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	50		49		10-117

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 10:33
Analyst: CW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	3.21	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.66	1	A
Aroclor 1242	ND		ug/kg	36.1	4.87	1	A
Aroclor 1248	ND		ug/kg	36.1	5.42	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	27.0	J	ug/kg	36.1	6.67	1	A
Aroclor 1262	ND		ug/kg	36.1	4.59	1	A
Aroclor 1268	ND		ug/kg	36.1	3.74	1	A
PCBs, Total	27.0	J	ug/kg	36.1	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 10:40
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.17	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.56	1	A
Aroclor 1242	ND		ug/kg	35.6	4.81	1	A
Aroclor 1248	ND		ug/kg	35.6	5.35	1	A
Aroclor 1254	ND		ug/kg	35.6	3.90	1	A
Aroclor 1260	36.2		ug/kg	35.6	6.59	1	A
Aroclor 1262	ND		ug/kg	35.6	4.53	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	36.2		ug/kg	35.6	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 10:47
Analyst: CW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.67	1	A
Aroclor 1232	ND		ug/kg	36.7	7.77	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	13.9	J	ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	13.9	J	ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 10:54
Analyst: CW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.99	1	A
Aroclor 1221	ND		ug/kg	33.6	3.37	1	A
Aroclor 1232	ND		ug/kg	33.6	7.13	1	A
Aroclor 1242	ND		ug/kg	33.6	4.54	1	A
Aroclor 1248	ND		ug/kg	33.6	5.05	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	14.1	J	ug/kg	33.6	6.22	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.49	1	A
PCBs, Total	14.1	J	ug/kg	33.6	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 11:01
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	3.21	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.66	1	A
Aroclor 1242	ND		ug/kg	36.1	4.87	1	A
Aroclor 1248	ND		ug/kg	36.1	5.42	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	8.16	J	ug/kg	36.1	6.67	1	A
Aroclor 1262	ND		ug/kg	36.1	4.58	1	A
Aroclor 1268	ND		ug/kg	36.1	3.74	1	A
PCBs, Total	8.16	J	ug/kg	36.1	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/21 11:08
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	41.0		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	41.0		ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/06/21 10:11
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/05/21 09:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1554512-1						
Aroclor 1016	ND		ug/kg	32.8	2.92	A
Aroclor 1221	ND		ug/kg	32.8	3.29	A
Aroclor 1232	ND		ug/kg	32.8	6.96	A
Aroclor 1242	ND		ug/kg	32.8	4.42	A
Aroclor 1248	ND		ug/kg	32.8	4.92	A
Aroclor 1254	ND		ug/kg	32.8	3.59	A
Aroclor 1260	ND		ug/kg	32.8	6.07	A
Aroclor 1262	ND		ug/kg	32.8	4.17	A
Aroclor 1268	ND		ug/kg	32.8	3.40	A
PCBs, Total	ND		ug/kg	32.8	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1554512-2 WG1554512-3									
Aroclor 1016	73		80		40-140	9		50	A
Aroclor 1260	73		80		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150	A
Decachlorobiphenyl	68		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	61		70		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 09:27
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	1.27	JIP	ug/kg	3.21	0.964	1	B
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	4.63		ug/kg	1.07	0.536	1	B
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	16.6		ug/kg	3.21	1.38	1	B
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	13.4		ug/kg	2.14	0.597	1	A
trans-Chlordane	10.7	P	ug/kg	2.14	0.566	1	A
Chlordane	89.5		ug/kg	14.3	5.68	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01 Date Collected: 10/04/21 08:30

Client ID: EPSW07 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	**169**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	**182**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 09:31
Analyst: AR
Percent Solids: 90%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.6	1	A
2,4,5-T	ND		ug/kg	185	5.73	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	97		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 09:38
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	6.16	IP	ug/kg	1.70	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	4.99		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	19.1		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	3.12	IP	ug/kg	2.13	0.594	1	B
trans-Chlordane	3.17	IP	ug/kg	2.13	0.563	1	B
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02 Date Collected: 10/04/21 08:40

Client ID: EPSW06 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 09:49
Analyst: AR
Percent Solids: 91%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 09:49
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.74	0.658	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.723	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	15.4	P	ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.619	1	A
4,4'-DDT	12.9	P	ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	4.39	P	ug/kg	2.17	0.605	1	A
trans-Chlordane	5.54	P	ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.5	5.75	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03 Date Collected: 10/04/21 08:50

Client ID: EPSW05 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**13**	Q	30-150	B
Decachlorobiphenyl	**23**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 10:08
Analyst: AR
Percent Solids: 90%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.68	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	90		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 10:00
Analyst: JAW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.312	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.837	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	0.989	J	ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	2.88		ug/kg	1.04	0.523	1	B
4,4'-DDE	11.0		ug/kg	1.67	0.387	1	B
4,4'-DDD	2.81	P	ug/kg	1.67	0.597	1	A
4,4'-DDT	11.4		ug/kg	3.14	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	4.76	IP	ug/kg	2.09	0.583	1	B
trans-Chlordane	4.35	IP	ug/kg	2.09	0.552	1	B
Chlordane	ND		ug/kg	13.9	5.54	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04 Date Collected: 10/04/21 09:00

Client ID: EPSW03 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 10:26
Analyst: AR
Percent Solids: 94%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.43	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	98		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 10:12
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.702	0.314	1	A
Alpha-BHC	ND		ug/kg	0.702	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.639	1	A
Heptachlor	ND		ug/kg	0.843	0.378	1	A
Aldrin	ND		ug/kg	1.68	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.948	1	A
Endrin	ND		ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	1.10		ug/kg	1.05	0.527	1	B
4,4'-DDE	7.59	P	ug/kg	1.68	0.390	1	A
4,4'-DDD	1.58	JP	ug/kg	1.68	0.601	1	A
4,4'-DDT	7.45		ug/kg	3.16	1.36	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.563	1	A
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.983	1	A
Toxaphene	ND		ug/kg	31.6	8.85	1	A
cis-Chlordane	4.23	IP	ug/kg	2.11	0.587	1	B
trans-Chlordane	3.84	IP	ug/kg	2.11	0.556	1	B
Chlordane	ND		ug/kg	14.0	5.58	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05 Date Collected: 10/04/21 09:10

Client ID: EPSW02 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 10:45
Analyst: SDC
Percent Solids: 91%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.60	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	104		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/07/21 10:23
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	0.959	JIP	ug/kg	3.14	0.943	1	B
Endrin	ND		ug/kg	0.698	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.733	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	1.21	IP	ug/kg	1.05	0.524	1	A
4,4'-DDE	54.5		ug/kg	1.68	0.388	1	B
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	56.7		ug/kg	3.14	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.698	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	5.68	IP	ug/kg	2.10	0.584	1	B
trans-Chlordane	4.62	IP	ug/kg	2.10	0.553	1	B
Chlordane	ND		ug/kg	14.0	5.55	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06 Date Collected: 10/04/21 09:20

Client ID: EPSW01 Date Received: 10/04/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	148		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	**183**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/08/21 11:03
Analyst: AR
Percent Solids: 91%
Methylation Date: 10/07/21 20:32

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	104		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/06/21 15:21
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1554533-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	13.0	5.18	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/06/21 15:21
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1554533-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**158**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/08/21 08:35
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/06/21 15:12

Methylation Date: 10/07/21 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1555276-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1554533-2 WG1554533-3									
Delta-BHC	86		96		30-150	11		30	A
Lindane	89		99		30-150	11		30	A
Alpha-BHC	81		94		30-150	15		30	A
Beta-BHC	86		97		30-150	12		30	A
Heptachlor	101		112		30-150	10		30	A
Aldrin	96		112		30-150	15		30	A
Heptachlor epoxide	81		97		30-150	18		30	A
Endrin	107		119		30-150	11		30	A
Endrin aldehyde	74		88		30-150	17		30	A
Endrin ketone	85		100		30-150	16		30	A
Dieldrin	108		122		30-150	12		30	A
4,4'-DDE	94		111		30-150	17		30	A
4,4'-DDD	114		128		30-150	12		30	A
4,4'-DDT	115		129		30-150	11		30	A
Endosulfan I	92		106		30-150	14		30	A
Endosulfan II	103		116		30-150	12		30	A
Endosulfan sulfate	100		107		30-150	7		30	A
Methoxychlor	103		113		30-150	9		30	A
cis-Chlordane	76		88		30-150	15		30	A
trans-Chlordane	113		130		30-150	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1554533-2 WG1554533-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		100		30-150	A
Decachlorobiphenyl	149		**169**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		89		30-150	B
Decachlorobiphenyl	103		117		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1555276-2 WG1555276-3									
2,4-D	81		88		30-150	8		30	A
2,4,5-T	79		85		30-150	7		30	A
2,4,5-TP (Silvex)	79		86		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		91		30-150	A
DCAA	81		87		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2153818
Project Number: 170229024
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5120		mg/kg	8.41	2.27	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Antimony, Total	1.70	J	mg/kg	4.20	0.320	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Arsenic, Total	11.8		mg/kg	0.841	0.175	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Barium, Total	91.8		mg/kg	0.841	0.146	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Beryllium, Total	0.395	J	mg/kg	0.420	0.028	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Cadmium, Total	1.25		mg/kg	0.841	0.082	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Calcium, Total	8460		mg/kg	8.41	2.94	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Chromium, Total	27.3		mg/kg	0.841	0.081	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Cobalt, Total	9.14		mg/kg	1.68	0.140	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Copper, Total	69.1		mg/kg	0.841	0.217	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Iron, Total	13800		mg/kg	4.20	0.759	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Lead, Total	205		mg/kg	4.20	0.225	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Magnesium, Total	2400		mg/kg	8.41	1.30	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Manganese, Total	196		mg/kg	0.841	0.134	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Mercury, Total	0.167		mg/kg	0.086	0.056	1	10/05/21 16:47	10/06/21 08:48	EPA 7471B	1,7471B	AC
Nickel, Total	13.4		mg/kg	2.10	0.204	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Potassium, Total	795		mg/kg	210	12.1	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.68	0.217	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.841	0.238	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Sodium, Total	117	J	mg/kg	168	2.65	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.265	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Vanadium, Total	25.2		mg/kg	0.841	0.171	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
Zinc, Total	414		mg/kg	4.20	0.246	2	10/05/21 16:30	10/06/21 11:23	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	27		mg/kg	0.89	0.89	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4710		mg/kg	8.38	2.26	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Antimony, Total	2.10	J	mg/kg	4.19	0.318	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Arsenic, Total	9.25		mg/kg	0.838	0.174	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Barium, Total	217		mg/kg	0.838	0.146	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Beryllium, Total	0.360	J	mg/kg	0.419	0.028	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Cadmium, Total	1.14		mg/kg	0.838	0.082	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Calcium, Total	5220		mg/kg	8.38	2.93	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Chromium, Total	14.3		mg/kg	0.838	0.081	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Cobalt, Total	6.01		mg/kg	1.68	0.139	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Copper, Total	59.5		mg/kg	0.838	0.216	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Iron, Total	13700		mg/kg	4.19	0.757	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Lead, Total	198		mg/kg	4.19	0.225	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Magnesium, Total	3030		mg/kg	8.38	1.29	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Manganese, Total	192		mg/kg	0.838	0.133	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Mercury, Total	0.360		mg/kg	0.079	0.052	1	10/05/21 16:47	10/06/21 08:51	EPA 7471B	1,7471B	AC
Nickel, Total	13.3		mg/kg	2.10	0.203	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Potassium, Total	914		mg/kg	210	12.1	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.68	0.216	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.838	0.237	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Sodium, Total	102	J	mg/kg	168	2.64	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.264	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Vanadium, Total	24.0		mg/kg	0.838	0.170	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
Zinc, Total	289		mg/kg	4.19	0.246	2	10/05/21 16:30	10/06/21 11:27	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.88	0.88	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2153818
Project Number: 170229024
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4440		mg/kg	8.43	2.28	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Antimony, Total	3.05	J	mg/kg	4.21	0.320	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Arsenic, Total	15.7		mg/kg	0.843	0.175	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Barium, Total	115		mg/kg	0.843	0.147	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Beryllium, Total	0.480		mg/kg	0.421	0.028	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Cadmium, Total	1.58		mg/kg	0.843	0.083	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Calcium, Total	8490		mg/kg	8.43	2.95	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Chromium, Total	20.0		mg/kg	0.843	0.081	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Cobalt, Total	5.50		mg/kg	1.68	0.140	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Copper, Total	71.3		mg/kg	0.843	0.217	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Iron, Total	28400		mg/kg	4.21	0.761	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Lead, Total	282		mg/kg	4.21	0.226	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Magnesium, Total	3330		mg/kg	8.43	1.30	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Manganese, Total	221		mg/kg	0.843	0.134	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Mercury, Total	1.22		mg/kg	0.072	0.047	1	10/05/21 16:47	10/06/21 08:55	EPA 7471B	1,7471B	AC
Nickel, Total	12.7		mg/kg	2.11	0.204	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Potassium, Total	633		mg/kg	211	12.1	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.68	0.217	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.843	0.238	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Sodium, Total	119	J	mg/kg	168	2.65	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.265	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Vanadium, Total	26.6		mg/kg	0.843	0.171	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
Zinc, Total	362		mg/kg	4.21	0.247	2	10/05/21 16:30	10/06/21 11:31	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.89	0.89	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5030		mg/kg	8.10	2.19	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Antimony, Total	1.77	J	mg/kg	4.05	0.308	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Arsenic, Total	6.39		mg/kg	0.810	0.168	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Barium, Total	111		mg/kg	0.810	0.141	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Beryllium, Total	0.243	J	mg/kg	0.405	0.027	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Cadmium, Total	1.24		mg/kg	0.810	0.079	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Calcium, Total	7420		mg/kg	8.10	2.84	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Chromium, Total	14.0		mg/kg	0.810	0.078	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Cobalt, Total	4.92		mg/kg	1.62	0.134	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Copper, Total	46.2		mg/kg	0.810	0.209	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Iron, Total	20700		mg/kg	4.05	0.732	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Lead, Total	134		mg/kg	4.05	0.217	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Magnesium, Total	3260		mg/kg	8.10	1.25	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Manganese, Total	236		mg/kg	0.810	0.129	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Mercury, Total	0.318		mg/kg	0.083	0.054	1	10/05/21 16:47	10/06/21 08:58	EPA 7471B	1,7471B	AC
Nickel, Total	9.86		mg/kg	2.02	0.196	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Potassium, Total	622		mg/kg	202	11.7	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.62	0.209	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.810	0.229	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Sodium, Total	281		mg/kg	162	2.55	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.62	0.255	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Vanadium, Total	22.1		mg/kg	0.810	0.164	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
Zinc, Total	259		mg/kg	4.05	0.237	2	10/05/21 16:30	10/06/21 11:36	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.86	0.86	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5340		mg/kg	8.39	2.27	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Antimony, Total	0.965	J	mg/kg	4.20	0.319	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Arsenic, Total	7.77		mg/kg	0.839	0.174	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Barium, Total	303		mg/kg	0.839	0.146	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Beryllium, Total	0.227	J	mg/kg	0.420	0.028	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Cadmium, Total	0.940		mg/kg	0.839	0.082	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Calcium, Total	17800		mg/kg	8.39	2.94	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Chromium, Total	15.9		mg/kg	0.839	0.081	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Cobalt, Total	4.89		mg/kg	1.68	0.139	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Copper, Total	46.9		mg/kg	0.839	0.216	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Iron, Total	13600		mg/kg	4.20	0.758	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Lead, Total	253		mg/kg	4.20	0.225	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Magnesium, Total	5290		mg/kg	8.39	1.29	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Manganese, Total	206		mg/kg	0.839	0.133	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Mercury, Total	0.275		mg/kg	0.079	0.051	1	10/05/21 16:47	10/06/21 09:01	EPA 7471B	1,7471B	AC
Nickel, Total	11.5		mg/kg	2.10	0.203	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Potassium, Total	781		mg/kg	210	12.1	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.68	0.216	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.839	0.238	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Sodium, Total	534		mg/kg	168	2.64	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.264	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Vanadium, Total	26.6		mg/kg	0.839	0.170	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
Zinc, Total	325		mg/kg	4.20	0.246	2	10/05/21 16:30	10/06/21 11:40	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.88	0.88	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2153818
Project Number: 170229024
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY
Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4920		mg/kg	8.33	2.25	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Antimony, Total	4.36		mg/kg	4.17	0.317	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Arsenic, Total	16.4		mg/kg	0.833	0.173	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Barium, Total	70.1		mg/kg	0.833	0.145	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Beryllium, Total	0.267	J	mg/kg	0.417	0.028	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Cadmium, Total	1.77		mg/kg	0.833	0.082	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Calcium, Total	7630		mg/kg	8.33	2.92	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Chromium, Total	17.2		mg/kg	0.833	0.080	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Cobalt, Total	5.32		mg/kg	1.67	0.138	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Copper, Total	64.3		mg/kg	0.833	0.215	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Iron, Total	15300		mg/kg	4.17	0.752	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Lead, Total	3720		mg/kg	4.17	0.223	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Magnesium, Total	3660		mg/kg	8.33	1.28	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Manganese, Total	187		mg/kg	0.833	0.132	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Mercury, Total	0.331		mg/kg	0.080	0.052	1	10/05/21 16:47	10/06/21 09:05	EPA 7471B	1,7471B	AC
Nickel, Total	15.6		mg/kg	2.08	0.202	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Potassium, Total	856		mg/kg	208	12.0	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.67	0.215	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Silver, Total	0.300	J	mg/kg	0.833	0.236	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Sodium, Total	324		mg/kg	167	2.62	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.67	0.262	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Vanadium, Total	37.2		mg/kg	0.833	0.169	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
Zinc, Total	566		mg/kg	4.17	0.244	2	10/05/21 16:30	10/06/21 11:44	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.88	0.88	1		10/07/21 11:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2153818

Project Number: 170229024 **Report Date:** 10/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1554605-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Iron, Total	1.40	J	mg/kg	2.00	0.361	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Manganese, Total	0.064	J	mg/kg	0.400	0.064	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Sodium, Total	12.2	J	mg/kg	80.0	1.26	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1554606-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/05/21 15:39	10/06/21 08:03	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1554605-2 SRM Lot Number: D109-540								
Aluminum, Total	63		-		50-150	-		
Antimony, Total	158		-		19-250	-		
Arsenic, Total	92		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	100		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	101		-		75-125	-		
Copper, Total	92		-		75-125	-		
Iron, Total	82		-		35-165	-		
Lead, Total	88		-		72-128	-		
Magnesium, Total	78		-		62-138	-		
Manganese, Total	86		-		74-126	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	74		-		59-141	-		
Selenium, Total	90		-		68-132	-		
Silver, Total	90		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	93		-		68-131	-		
Vanadium, Total	90		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1554605-2 SRM Lot Number: D109-540					
Zinc, Total	89	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1554606-2 SRM Lot Number: D109-540					
Mercury, Total	111	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-3 QC Sample: L2153840-02 Client ID: MS Sample												
Aluminum, Total	9130	178	10000	**489**	Q	-	-		75-125	-		20
Antimony, Total	ND	44.4	31.6	**71**	Q	-	-		75-125	-		20
Arsenic, Total	5.45	10.7	16.9	107		-	-		75-125	-		20
Barium, Total	106	178	257	85		-	-		75-125	-		20
Beryllium, Total	0.432J	4.44	4.04	91		-	-		75-125	-		20
Cadmium, Total	0.288J	4.71	3.94	84		-	-		75-125	-		20
Calcium, Total	88500	889	83300	**0**	Q	-	-		75-125	-		20
Chromium, Total	10.0	17.8	24.9	84		-	-		75-125	-		20
Cobalt, Total	5.21	44.4	37.8	**73**	Q	-	-		75-125	-		20
Copper, Total	17.0	22.2	35.5	83		-	-		75-125	-		20
Iron, Total	10200	88.9	11000	**900**	Q	-	-		75-125	-		20
Lead, Total	10.9	47.1	43.2	**68**	Q	-	-		75-125	-		20
Magnesium, Total	3570	889	5060	**168**	Q	-	-		75-125	-		20
Manganese, Total	103	44.4	143	90		-	-		75-125	-		20
Nickel, Total	10.0	44.4	41.1	**70**	Q	-	-		75-125	-		20
Potassium, Total	1380	889	2280	101		-	-		75-125	-		20
Selenium, Total	1.34J	10.7	10.2	96		-	-		75-125	-		20
Silver, Total	ND	26.7	24.3	91		-	-		75-125	-		20
Sodium, Total	245	889	1110	97		-	-		75-125	-		20
Thallium, Total	ND	10.7	6.93	**65**	Q	-	-		75-125	-		20
Vanadium, Total	18.1	44.4	55.6	84		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-3 QC Sample: L2153840-02 Client ID: MS Sample									
Zinc, Total	9.87	44.4	46.5	82	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554606-3 QC Sample: L2153479-05 Client ID: MS Sample									
Mercury, Total	ND	0.192	0.210	110	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Calcium, Total	88500	58000	mg/kg	**42**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Aluminum, Total	9130	6680	mg/kg	**31**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.45	6.97	mg/kg	**24**	Q	20
Barium, Total	106	88.3	mg/kg	18		20
Beryllium, Total	0.432J	0.374J	mg/kg	NC		20
Cadmium, Total	0.288J	0.418J	mg/kg	NC		20
Chromium, Total	10.0	10.9	mg/kg	9		20
Cobalt, Total	5.21	4.63	mg/kg	12		20
Copper, Total	17.0	21.8	mg/kg	**25**	Q	20
Iron, Total	10200	14400	mg/kg	**34**	Q	20
Lead, Total	10.9	9.64	mg/kg	12		20
Magnesium, Total	3570	2890	mg/kg	**21**	Q	20
Manganese, Total	103	77.1	mg/kg	**29**	Q	20
Nickel, Total	10.0	9.98	mg/kg	0		20
Potassium, Total	1380	1770	mg/kg	**25**	Q	20
Selenium, Total	1.34J	0.952J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	245	392	mg/kg	**46**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2153818

Report Date: 10/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Vanadium, Total	18.1	18.0	mg/kg	1		20
Zinc, Total	9.87	7.93	mg/kg	**22**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554606-4 QC Sample: L2153479-05 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2153818
Report Date: 10/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-6 QC Sample: L2153840-02 Client ID: DUP Sample						
Calcium, Total	88500	88000	mg/kg	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1554605-6 QC Sample: L2153840-02 Client ID: DUP Sample						
Aluminum, Total	9130	11500	mg/kg	**26**	Q	20
Barium, Total	106	132	mg/kg	**25**	Q	20
Iron, Total	10200	13100	mg/kg	**28**	Q	20
Magnesium, Total	3570	4470	mg/kg	**25**	Q	20
Manganese, Total	103	132	mg/kg	**28**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-01
Client ID: EPSW07
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 08:30
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.893	0.178	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-02
Client ID: EPSW06
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 08:40
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-03
Client ID: EPSW05
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 08:50
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.892	0.178	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-04
Client ID: EPSW03
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 09:00
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.856	0.171	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-05
Client ID: EPSW02
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 09:10
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2153818
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2153818-06
Client ID: EPSW01
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/04/21 09:20
Date Received: 10/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1555060-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/06/21 11:20	10/07/21 11:25	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1555060-2								
Chromium, Hexavalent	92		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

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Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1555060-4 QC Sample: L2153818-04 Client ID: EPSW03												
Chromium, Hexavalent	ND	898	785	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

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Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1554410-1 QC Sample: L2153828-01 Client ID: DUP Sample						
Solids, Total	80.0	82.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1555060-6 QC Sample: L2153818-04 Client ID: EPSW03						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2153818-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-01B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-01C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-01D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-01E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2153818-01G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-01H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2153818-01I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-02B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-02C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-02D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-02E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2153818-02G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-02H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2153818-02I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-03A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-03B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-03C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-03D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-03E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2153818-03G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-03H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2153818-03I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-04A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-04B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-04C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-04D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-04E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2153818-04G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-04H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2153818-04I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-05A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-05B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-05C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2153818-05D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-05E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2153818-05G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-05H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2153818-05I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-06A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2153818-06B	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-06C	Vial water preserved	A	NA		4.4	Y	Absent	05-OCT-21 06:26	NYTCL-8260HLW(14)
L2153818-06D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-06E	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2153818-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2153818-06G	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-06H	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2153818-06I	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2153818-07A	Plastic 250ml unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2153818
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2153818
Project Number:	170229024	**Report Date:**	10/18/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2153818
Project Number:	170229024	**Report Date:**	10/18/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/5/21

ALPHA Job #: L2153818

Client Information

Client: Langan PPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOC	PCB's	Pesticides / Herbicides	TAL Metals / Hg	PFAS	1,4 dioxane
53818-01	EPSW07	10/4/2021	08 30	Soil	AMD	X	X	X	X	X	X	X
02	EPSW06		08 40			X	X	X	X	X	X	X
03	EPSW05		08 50			X	X	X	X	X	X	X
04	EPSW03		09 00			X	X	X	X	X	X	X
05	EPSW02		09 10			X	X	X	X	X	X	X
06	EPSW01		09 20			X	X	X	X	X	X	X
07	PFB13-100421		10 00	AQ							X	

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
of Langan	10/4/21 10:03	[illegible]	10/4/21 15:00
[illegible]	10/4/21 18:20	ZE & AAL	10/4/21 19:30
ZE & AAL	10/4	[illegible] AAL	10/4/21 23:00
[illegible] AAL	10/5/21 02:00	[illegible]	10/5/21 02:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2155073
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	10/22/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2155073-01	EP30_2	SOIL	BROOKLYN, NY	10/08/21 08:10	10/08/21
L2155073-02	EP36_2	SOIL	BROOKLYN, NY	10/08/21 08:15	10/08/21
L2155073-03	EP42_2	SOIL	BROOKLYN, NY	10/08/21 08:30	10/08/21
L2155073-04	PFB14_100821	WATER	BROOKLYN, NY	10/08/21 13:00	10/08/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155073
Project Number:	170229024	**Report Date:**	10/22/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073
Project Number: 170229024 **Report Date:** 10/22/21

Case Narrative (continued)

Report Submission
October 22, 2021: This final report includes the results of all requested analyses.
October 14, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution
L2155073-01, -02, and -03: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
L2155073-01, -02, -03RE, and -03: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2155073-01: The Extracted Internal Standard recovery was less than 10% for perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (7%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The L2155073-01RE sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.
L2155073-03: The Extracted Internal Standard recoveries were less than 10% for (d3-nmefosaa) (2%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The L2155073-03RE sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.
The Extracted Internal Standard recovery for the WG1556918-1 Method Blank, associated with L2155073-02, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated samples are non-detect for perfluorooctanesulfonamide (fosa).
WG1556918-2: The Extracted Internal Standard recovery is below the acceptance criteria for

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073
Project Number: 170229024 **Report Date:** 10/22/21

Case Narrative (continued)

perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated target analytes are within criteria.

Semivolatile Organics

The WG1556704-2/-3 LCS/LCSD recoveries, associated with L2155073-01, -02, and -03, are below the acceptance criteria for hexachlorocyclopentadiene (6%/7%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), and benzoic acid (0%/0%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported.

Total Metals

L2155073-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/22/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/21 21:20
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.74	0.29	1
Chlorobenzene	ND		ug/kg	0.74	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.25	1
Bromodichloromethane	ND		ug/kg	0.74	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.74	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.74	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.25	1
Benzene	ND		ug/kg	0.74	0.25	1
Toluene	ND		ug/kg	1.5	0.81	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.67	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.74	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.30	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.28	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.97	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.26	1
p-Ethyltoluene	ND		ug/kg	3.0	0.57	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.28	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15
Client ID: EP36_2 Date Received: 10/08/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/21 21:46
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30
Client ID: EP42_2 Date Received: 10/08/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/21 22:38
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	0.92	J	ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/21 20:27
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1558555-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/21 20:27
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1558555-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/21 20:27
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1558555-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1558555-3 WG1558555-4								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	104		102		70-130	2		30
Carbon tetrachloride	115		111		70-130	4		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	97		95		70-130	2		30
1,1,2-Trichloroethane	103		103		70-130	0		30
Tetrachloroethene	119		112		70-130	6		30
Chlorobenzene	110		105		70-130	5		30
Trichlorofluoromethane	114		107		70-139	6		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	114		110		70-130	4		30
Bromodichloromethane	106		106		70-130	0		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	119		114		70-130	4		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	101		100		70-130	1		30
Benzene	110		106		70-130	4		30
Toluene	112		106		70-130	6		30
Ethylbenzene	115		110		70-130	4		30
Chloromethane	101		96		52-130	5		30
Bromomethane	99		90		57-147	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1558555-3 WG1558555-4								
Vinyl chloride	110		102		67-130	8		30
Chloroethane	110		103		50-151	7		30
1,1-Dichloroethene	116		112		65-135	4		30
trans-1,2-Dichloroethene	112		108		70-130	4		30
Trichloroethene	114		110		70-130	4		30
1,2-Dichlorobenzene	108		104		70-130	4		30
1,3-Dichlorobenzene	112		106		70-130	6		30
1,4-Dichlorobenzene	109		104		70-130	5		30
Methyl tert butyl ether	102		105		66-130	3		30
p/m-Xylene	118		113		70-130	4		30
o-Xylene	117		112		70-130	4		30
cis-1,2-Dichloroethene	108		105		70-130	3		30
Dibromomethane	98		98		70-130	0		30
Styrene	119		115		70-130	3		30
Dichlorodifluoromethane	114		106		30-146	7		30
Acetone	101		105		54-140	4		30
Carbon disulfide	107		103		59-130	4		30
2-Butanone	93		99		70-130	6		30
Vinyl acetate	92		92		70-130	0		30
4-Methyl-2-pentanone	84		84		70-130	0		30
1,2,3-Trichloropropane	100		99		68-130	1		30
2-Hexanone	85		88		70-130	3		30
Bromochloromethane	104		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1558555-3 WG1558555-4								
2,2-Dichloropropane	115		110		70-130	4		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	104		103		69-130	1		30
1,1,1,2-Tetrachloroethane	113		109		70-130	4		30
Bromobenzene	111		106		70-130	5		30
n-Butylbenzene	124		114		70-130	8		30
sec-Butylbenzene	121		113		70-130	7		30
tert-Butylbenzene	121		112		70-130	8		30
o-Chlorotoluene	115		109		70-130	5		30
p-Chlorotoluene	115		108		70-130	6		30
1,2-Dibromo-3-chloropropane	84		84		68-130	0		30
Hexachlorobutadiene	122		113		67-130	8		30
Isopropylbenzene	122		114		70-130	7		30
p-Isopropyltoluene	123		115		70-130	7		30
Naphthalene	104		105		70-130	1		30
Acrylonitrile	85		88		70-130	3		30
n-Propylbenzene	121		113		70-130	7		30
1,2,3-Trichlorobenzene	110		106		70-130	4		30
1,2,4-Trichlorobenzene	115		110		70-130	4		30
1,3,5-Trimethylbenzene	120		112		70-130	7		30
1,2,4-Trimethylbenzene	120		113		70-130	6		30
1,4-Dioxane	80		86		65-136	7		30
p-Diethylbenzene	123		116		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1558555-3 WG1558555-4								
p-Ethyltoluene	121		113		70-130	7		30
1,2,4,5-Tetramethylbenzene	119		111		70-130	7		30
Ethyl ether	96		95		67-130	1		30
trans-1,4-Dichloro-2-butene	96		94		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		93		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/21 21:26
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	20000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	1400		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	11000	E	ug/kg	110	21.	1
Benzo(a)pyrene	11000	E	ug/kg	150	45.	1
Benzo(b)fluoranthene	15000	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	2700		ug/kg	110	29.	1
Chrysene	10000	E	ug/kg	110	19.	1
Acenaphthylene	680		ug/kg	150	28.	1
Anthracene	3700		ug/kg	110	36.	1
Benzo(ghi)perylene	5600		ug/kg	150	22.	1
Fluorene	2200		ug/kg	180	18.	1
Phenanthrene	18000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1500		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	6700		ug/kg	150	26.	1
Pyrene	17000	E	ug/kg	110	18.	1
Biphenyl	200	J	ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	1800		ug/kg	180	17.	1
2-Methylnaphthalene	570		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	100	J	ug/kg	260	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	2700		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	66		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/19/21 08:43
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.521	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.521	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.261	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.521	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.261	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.261	0.063	1
Perfluorooctanoic Acid (PFOA)	0.146	J	ng/g	0.261	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.521	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.521	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.261	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.261	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.261	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.521	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.521	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.521	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.521	0.160	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.521	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.521	0.073	1
PFOA/PFOS, Total	0.146	J	ng/g	0.261	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**50**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**64**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**52**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**52**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**61**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**56**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**59**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**56**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**51**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	51		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**52**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**34**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**7**	Q	24-159

Project Name: 45 COMMERCIAL STREET
Lab Number: L2155073
Project Number: 170229024
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/20/21 11:18
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.521	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 RE
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 17:23
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/20/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.20	0.900	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.20	0.238	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	29		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 D
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/21 14:12
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	27000		ug/kg	550	100	5
Benzo(a)anthracene	10000		ug/kg	550	100	5
Benzo(a)pyrene	9700		ug/kg	730	220	5
Benzo(b)fluoranthene	13000		ug/kg	550	150	5
Chrysene	10000		ug/kg	550	95.	5
Phenanthrene	23000		ug/kg	550	110	5
Pyrene	22000		ug/kg	550	91.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/21 21:50
Analyst: CMM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	34	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	27	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	19	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	140	25.	1
Pyrene	31	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	66		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/19/21 08:59
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.491	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.092	J	ng/g	0.491	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.246	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.064	J	ng/g	0.491	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.246	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.246	0.059	1
Perfluorooctanoic Acid (PFOA)	0.065	J	ng/g	0.246	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.491	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.491	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.246	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	0.427	F	ng/g	0.246	0.128	1
Perfluorodecanoic Acid (PFDA)	0.078	J	ng/g	0.246	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.491	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.491	0.198	1
Perfluoroundecanoic Acid (PFUnA)	0.132	JF	ng/g	0.491	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.491	0.150	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.491	0.083	1
Perfluorododecanoic Acid (PFDoA)	0.090	J	ng/g	0.491	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.491	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.491	0.053	1
PFOA/PFOS, Total	0.492	J	ng/g	0.246	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**31**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**36**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**44**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**49**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**57**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**67**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**60**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**21**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**51**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	30		24-159

Project Name: 45 COMMERCIAL STREET
Lab Number: L2155073
Project Number: 170229024
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/20/21 11:30
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.491	0.096	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/21 22:13
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3300		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	19000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	980		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	83	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	10000	E	ug/kg	110	21.	1
Benzo(a)pyrene	9400	E	ug/kg	150	45.	1
Benzo(b)fluoranthene	12000	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	2500		ug/kg	110	30.	1
Chrysene	8400	E	ug/kg	110	19.	1
Acenaphthylene	310		ug/kg	150	28.	1
Anthracene	5800		ug/kg	110	36.	1
Benzo(ghi)perylene	4300		ug/kg	150	22.	1
Fluorene	3000		ug/kg	180	18.	1
Phenanthrene	18000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1100		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	5300		ug/kg	150	26.	1
Pyrene	16000	E	ug/kg	110	18.	1
Biphenyl	200	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	1900		ug/kg	180	18.	1
2-Methylnaphthalene	580		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	49	J	ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	45	J	ug/kg	270	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	2000		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	64		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/19/21 09:16
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.543	0.025	1
Perfluoropentanoic Acid (PFPeA)	0.070	J	ng/g	0.543	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.271	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.078	JF	ng/g	0.543	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.271	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.271	0.066	1
Perfluorooctanoic Acid (PFOA)	0.269	J	ng/g	0.271	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.543	0.195	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.543	0.148	1
Perfluorononanoic Acid (PFNA)	0.097	J	ng/g	0.271	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.451		ng/g	0.271	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.271	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.543	0.312	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.543	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.543	0.166	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.543	0.076	1
PFOA/PFOS, Total	0.720	J	ng/g	0.271	0.046	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**34**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**35**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**54**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**39**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**40**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**51**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**44**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	43		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**44**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	34		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**2**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**36**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**3**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**23**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/20/21 11:37
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.543	0.106	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 RE
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 17:40
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/20/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.17	0.875	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.17	0.367	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.17	0.888	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.17	0.234	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**10**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	34-137
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	33		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 D
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/21 14:35
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	560	110	5
Benzo(a)anthracene	9700		ug/kg	560	100	5
Benzo(a)pyrene	8600		ug/kg	740	220	5
Benzo(b)fluoranthene	10000		ug/kg	560	160	5
Chrysene	8600		ug/kg	560	96.	5
Phenanthrene	24000		ug/kg	560	110	5
Pyrene	21000		ug/kg	560	92.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-04
Client ID: PFB14_100821
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 13:00
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 08:47
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.73	0.353	1
Perfluoropentanoic Acid (PFPeA)	0.364	J	ng/l	1.73	0.343	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.73	0.206	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.73	0.284	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.73	0.195	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.73	0.326	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.73	0.204	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.22	J	ng/l	1.73	1.15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.73	0.596	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.73	0.270	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.73	0.436	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.73	0.263	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.73	1.05	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.73	0.561	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.73	0.225	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.73	0.849	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.73	0.502	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.73	0.696	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.73	0.322	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.73	0.283	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.73	0.215	1
PFOA/PFOS, Total	ND		ng/l	1.73	0.204	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-04 Date Collected: 10/08/21 13:00

Client ID: PFB14_100821 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/21 20:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1556704-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/21 20:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1556704-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/21 20:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/10/21 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1556704-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	65		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/14/21 16:26
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1556918-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/14/21 16:26
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1556918-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	66		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**2**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/15/21 09:05
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/11/21 09:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1556918-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 05:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1559407-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.49	J	ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 05:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1559407-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 16:50
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/20/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03 Batch: WG1560812-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 16:50
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/20/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03 Batch: WG1560812-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/22/21 02:13
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/20/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03 Batch: WG1560812-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1556704-2 WG1556704-3								
Acenaphthene	69		75		31-137	8		50
1,2,4-Trichlorobenzene	68		77		38-107	12		50
Hexachlorobenzene	76		80		40-140	5		50
Bis(2-chloroethyl)ether	63		70		40-140	11		50
2-Chloronaphthalene	71		80		40-140	12		50
1,2-Dichlorobenzene	67		73		40-140	9		50
1,3-Dichlorobenzene	65		71		40-140	9		50
1,4-Dichlorobenzene	65		71		28-104	9		50
3,3'-Dichlorobenzidine	77		84		40-140	9		50
2,4-Dinitrotoluene	48		53		40-132	10		50
2,6-Dinitrotoluene	59		67		40-140	13		50
Fluoranthene	74		83		40-140	11		50
4-Chlorophenyl phenyl ether	74		81		40-140	9		50
4-Bromophenyl phenyl ether	77		84		40-140	9		50
Bis(2-chloroisopropyl)ether	89		98		40-140	10		50
Bis(2-chloroethoxy)methane	63		70		40-117	11		50
Hexachlorobutadiene	72		82		40-140	13		50
Hexachlorocyclopentadiene	**6**	Q	**7**	Q	40-140	24		50
Hexachloroethane	51		56		40-140	9		50
Isophorone	66		71		40-140	7		50
Naphthalene	71		78		40-140	9		50
Nitrobenzene	69		78		40-140	12		50
NDPA/DPA	77		83		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1556704-2 WG1556704-3								
n-Nitrosodi-n-propylamine	68		73		32-121	7		50
Bis(2-ethylhexyl)phthalate	94		102		40-140	8		50
Butyl benzyl phthalate	76		85		40-140	11		50
Di-n-butylphthalate	77		85		40-140	10		50
Di-n-octylphthalate	94		98		40-140	4		50
Diethyl phthalate	74		79		40-140	7		50
Dimethyl phthalate	67		74		40-140	10		50
Benzo(a)anthracene	80		85		40-140	6		50
Benzo(a)pyrene	80		86		40-140	7		50
Benzo(b)fluoranthene	79		83		40-140	5		50
Benzo(k)fluoranthene	78		84		40-140	7		50
Chrysene	76		80		40-140	5		50
Acenaphthylene	76		83		40-140	9		50
Anthracene	73		80		40-140	9		50
Benzo(ghi)perylene	67		73		40-140	9		50
Fluorene	78		84		40-140	7		50
Phenanthrene	71		79		40-140	11		50
Dibenzo(a,h)anthracene	69		74		40-140	7		50
Indeno(1,2,3-cd)pyrene	67		75		40-140	11		50
Pyrene	73		80		35-142	9		50
Biphenyl	68		75		37-127	10		50
4-Chloroaniline	77		82		40-140	6		50
2-Nitroaniline	77		87		47-134	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1556704-2 WG1556704-3								
3-Nitroaniline	85		93		26-129	9		50
4-Nitroaniline	80		86		41-125	7		50
Dibenzofuran	77		82		40-140	6		50
2-Methylnaphthalene	70		76		40-140	8		50
1,2,4,5-Tetrachlorobenzene	72		78		40-117	8		50
Acetophenone	62		68		14-144	9		50
2,4,6-Trichlorophenol	81		91		30-130	12		50
p-Chloro-m-cresol	85		90		26-103	6		50
2-Chlorophenol	72		80		25-102	11		50
2,4-Dichlorophenol	75		84		30-130	11		50
2,4-Dimethylphenol	73		80		30-130	9		50
2-Nitrophenol	49		57		30-130	15		50
4-Nitrophenol	64		75		11-114	16		50
2,4-Dinitrophenol	**0**	Q	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	**0**	Q	**0**	Q	10-130	NC		50
Pentachlorophenol	67		70		17-109	4		50
Phenol	64		70		26-90	9		50
2-Methylphenol	73		80		30-130.	9		50
3-Methylphenol/4-Methylphenol	77		85		30-130	10		50
2,4,5-Trichlorophenol	84		94		30-130	11		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	70		78		40-140	11		50
Carbazole	74		82		54-128	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1556704-2 WG1556704-3								
1,4-Dioxane	46		47		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		79		25-120
Phenol-d6	70		76		10-120
Nitrobenzene-d5	67		74		23-120
2-Fluorobiphenyl	68		76		30-120
2,4,6-Tribromophenol	73		81		10-136
4-Terphenyl-d14	67		72		18-120

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1556918-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	92		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	103		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	90		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	90		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	93		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	88		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	86		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	92		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	88		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	99		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	88		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1556918-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59				24-159

Lab Control Sample Analysis

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Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1556918-2								
Perfluorooctanesulfonamide (FOSA)	102		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84				10-117

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 170229024

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Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1559407-2								
Perfluorobutanoic Acid (PFBA)	102		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	97		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	101		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	98		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	94		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	104		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	113		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1559407-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 Batch: WG1560812-2								
Perfluorobutanoic Acid (PFBA)	102		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	93		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	103		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	89		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	101		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	99		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	97		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	103		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 Batch: WG1560812-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01,03		Batch: WG1560812-2					
Perfluorooctanesulfonamide (FOSA)	114		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69				10-117

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-3 WG1556918-4 QC Sample: L2154206-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.18	4.73	91		4.58	92		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	ND	5.18	4.72	91		4.57	92		69-132	3		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.6	4.26	93		4.13	93		72-128	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.85	4.73	98		4.70	101		62-145	1		30
Perfluorohexanoic Acid (PFHxA)	ND	5.18	4.66	90		4.49	90		70-132	4		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.87	4.53	93		4.37	93		73-123	4		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.18	4.76	92		4.55	91		71-131	5		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.74	4.31	91		4.10	90		67-130	5		30
Perfluorooctanoic Acid (PFOA)	ND	5.18	4.91	95		4.61	93		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.93	4.88	99		4.55	96		64-140	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.93	4.32	88		4.10	87		70-132	5		30
Perfluorononanoic Acid (PFNA)	ND	5.18	4.63	89		4.56	92		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.81	4.45	93		4.31	93		68-136	3		30
Perfluorodecanoic Acid (PFDA)	ND	5.18	4.68	90		4.46	90		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.98	4.46	90		4.38	92		65-137	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.99	4.33	87		4.19	88		69-125	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.18	5.47	106		4.26	86		63-144	25		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.18	4.69	91		4.48	90		64-136	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5	4.47	90		4.35	91		59-134	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.18	4.33	84		4.22	85		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	ND	5.18	4.88	94		4.70	94		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.18	4.84	93		5.06	102		66-139	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-3 WG1556918-4 QC Sample: L2154206-02 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.18	4.68	90		4.49	90		69-133	4		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		86		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	66		66		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		81		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q	35		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		84		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**74**	Q	80		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**69**	Q	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		84		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		74		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		53		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	62		79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65		79		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		85		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**73**	Q	81		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		83		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80		82		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-3 WG1556918-4 QC Sample: L2154206-02 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.18	5.26	101		5.18	104		67-137	2		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		80		10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-5 WG1556918-6 QC Sample: L2154674-08 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.91	4.49	91		4.55	91		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	ND	4.91	4.47	91		4.56	91		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.36	3.98	91		3.97	89		72-128	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.6	4.43	96		4.46	95		62-145	1		30
Perfluorohexanoic Acid (PFHxA)	ND	4.91	4.41	90		4.53	90		70-132	3		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.62	4.14	90		4.38	93		73-123	6		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.91	4.48	91		4.55	91		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.49	4.03	90		4.14	90		67-130	3		30
Perfluorooctanoic Acid (PFOA)	ND	4.91	4.66	95		4.63	92		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.68	4.66	100		4.61	97		64-140	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.68	4.20	90		4.31	90		70-132	3		30
Perfluorononanoic Acid (PFNA)	ND	4.91	4.40	90		4.56	91		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.56	4.20	92		4.37	94		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	4.91	4.27	87		4.60	92		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.72	3.88	82		4.34	90		65-137	11		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.72	4.24	90		4.23	88		69-125	0		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.91	4.77	97		4.64	93		63-144	3		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.91	4.47	91		4.63	92		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.74	3.77	80		3.92	81		59-134	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.91	4.63	94		4.40	88		61-139	5		30
Perfluorododecanoic Acid (PFDoA)	ND	4.91	4.51	92		4.48	89		69-135	1		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.91	4.48	91		4.13	82		66-139	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-5 WG1556918-6 QC Sample: L2154674-08 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	4.91	4.64	95		4.47	89		69-133	4		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		70		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	63		61		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		72		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	**23**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**28**	Q	**27**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66		67		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**66**	Q	**64**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**60**	Q	**60**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**62**	Q	**63**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	**75**	Q	78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	54		59		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**21**	Q	**17**	Q	24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	61		**60**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	62		61		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**70**	Q	**73**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q	**66**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**67**	Q	**68**	Q	72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	74		75		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1556918-5 WG1556918-6 QC Sample: L2154674-08 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	4.91	4.81	98		4.94	99		67-137	3		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		82		10-117

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1559407-3 QC Sample: L2154676-01 Client ID: MS Sample												
Perfluorobutanesulfonic Acid (PFBS)	ND	34.4	31.8	92		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36.2	35.6	98		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38.7	36.6	95		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36.4	31.8	87		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38.7	35.5	92		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.4	32.9	93		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	0.241J	38.7	37.2	96		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.58J	36.8	37.3	97		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.8	36.5	99		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38.7	35.1	91		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.9	32.5	90		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.7	34.4	89		-	-		63-171	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.7	42.7	110		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.7	35.1	91		-	-		60-153	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.7	36.9	95		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.7	39.6	102		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38.7	41.8	108		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.7	37.6	97		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	377	327	87		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	36.5	30.2	83		-	-		69-143	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	36.1	34.3	95		-	-		55-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1559407-3 QC Sample: L2154676-01 Client ID: MS Sample												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	36.5	33.2	91		-	-		52-156	-		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	80				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	91				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	64				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67				22-136
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1560812-3 WG1560812-4 QC Sample: L2156976-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.97	5.12	103		5.14	102		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	ND	4.97	5.03	101		5.10	101		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.41	4.62	105		4.68	104		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.65	4.70	101		4.88	103		62-145	4		30
Perfluorohexanoic Acid (PFHxA)	ND	4.97	5.00	101		5.09	101		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.67	5.02	107		5.21	110		73-123	4		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.97	4.97	100		5.07	100		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.54	4.70	103		4.79	104		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	4.97	4.90	99		5.21	103		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.73	5.33	113		5.30	110		64-140	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.73	4.79	101		4.97	103		70-132	4		30
Perfluorononanoic Acid (PFNA)	ND	4.97	4.86	98		4.76	94		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.61	4.93	107		4.82	103		68-136	2		30
Perfluorodecanoic Acid (PFDA)	ND	4.97	4.59	92		4.56	90		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.77	4.64	97		4.34	89		65-137	7		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.78	4.59	96		4.84	100		69-125	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.97	5.51	111		5.17	102		63-144	6		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.97	4.96	100		4.94	98		64-136	0		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.79	4.56	95		4.81	99		59-134	5		30
Perfluorooctanesulfonamide (FOSA)	ND	4.97	4.83	97		4.89	97		67-137	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.97	5.03	101		5.13	101		61-139	2		30
Perfluorododecanoic Acid (PFDoA)	ND	4.97	5.18	104		5.43	107		69-135	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1560812-3 WG1560812-4 QC Sample: L2156976-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	4.97	5.26	106		5.13	101		66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.97	4.89	98		4.98	99		69-133	2		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		97		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	75		74		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		81		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		37		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		73		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		**73**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		**65**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	71		**68**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		79		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		60		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		39		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		62		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		62		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		**77**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		**71**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		82		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		79		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1560812-5 WG1560812-6 QC Sample: L2156976-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.9	4.93	101		4.80	101		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	ND	4.9	4.91	100		4.75	100		69-132	3		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.35	4.52	104		4.29	102		72-128	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.59	4.81	105		4.38	99		62-145	9		30
Perfluorohexanoic Acid (PFHxA)	ND	4.9	4.86	99		4.77	101		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.61	4.82	105		4.91	110		73-123	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.9	4.87	99		4.74	100		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.48	4.47	100		4.43	102		67-130	1		30
Perfluorooctanoic Acid (PFOA)	ND	4.9	4.94	101		4.70	99		69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.67	5.09	109		4.79	106		64-140	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.67	4.42	95		4.38	97		70-132	1		30
Perfluorononanoic Acid (PFNA)	ND	4.9	4.62	94		4.56	96		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.55	4.61	101		4.42	101		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	4.9	4.50	92		4.45	94		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.7	4.60	98		4.21	93		65-137	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.72	4.74	101		4.51	99		69-125	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.9	4.74	97		5.02	106		63-144	6		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.9	4.85	99		4.48	95		64-136	8		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.72	5.11	108		4.70	103		59-134	8		30
Perfluorooctanesulfonamide (FOSA)	ND	4.9	4.70F	96		4.75	100		67-137	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.9	4.72	96		4.73	100		61-139	0		30
Perfluorododecanoic Acid (PFDoA)	ND	4.9	5.02	102		4.98	105		69-135	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1560812-5 WG1560812-6 QC Sample: L2156976-03 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	4.9	5.28	108		5.09	108		66-139	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.9	4.80	98		4.79	101		69-133	0		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		121		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	91		89		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		102		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		46		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q	**26**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		111		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		102		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		96		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		89		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		89		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		103		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		97		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		112		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		100		74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1559407-4 QC Sample: L2154676-03 Client ID: DUP Sample						
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.52JF	1.63J	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1559407-4 QC Sample: L2154676-03 Client ID: DUP Sample						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	ND	ng/l	NC		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		91		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	69		77		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		94		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		88		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		86		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		92		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		90		62-124
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		88		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		94		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		105		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		75		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	116		115		10-165

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/11/21 10:21
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/10/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/11/21 10:29
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/10/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/11/21 10:37
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/10/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.67	1	A
Aroclor 1232	ND		ug/kg	36.7	7.77	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/11/21 09:39
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/10/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1556716-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.95	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1556716-2 WG1556716-3									
Aroclor 1016	57		55		40-140	4		50	A
Aroclor 1260	55		54		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		52		30-150	A
Decachlorobiphenyl	57		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		55		30-150	B
Decachlorobiphenyl	66		64		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/11/21 20:04
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND	IP	ug/kg	1.77	0.630	1	B
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.28	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.7	5.85	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01 Date Collected: 10/08/21 08:10

Client ID: EP30_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/13/21 14:34
Analyst: AR
Percent Solids: 88%
Methylation Date: 10/13/21 04:33

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.6	1	A
2,4,5-T	ND		ug/kg	185	5.73	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	73		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/11/21 20:15
Analyst: SDC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.749	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.339	1	A
Methoxychlor	ND		ug/kg	3.21	0.998	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.67	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02 Date Collected: 10/08/21 08:15

Client ID: EP36_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/13/21 14:52
Analyst: AR
Percent Solids: 90%
Methylation Date: 10/13/21 04:33

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	68		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/11/21 20:26
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.729	0.326	1	A
Alpha-BHC	ND		ug/kg	0.729	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.875	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.616	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.984	1	A
Endrin	ND		ug/kg	0.729	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.766	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.547	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.585	1	A
Endosulfan sulfate	ND		ug/kg	0.729	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.19	1	A
cis-Chlordane	ND		ug/kg	2.19	0.609	1	A
trans-Chlordane	ND		ug/kg	2.19	0.577	1	A
Chlordane	ND		ug/kg	14.6	5.80	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03 Date Collected: 10/08/21 08:30

Client ID: EP42_2 Date Received: 10/08/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/13/21 15:10
Analyst: AR
Percent Solids: 88%
Methylation Date: 10/13/21 04:33

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.7	1	A
2,4,5-T	ND		ug/kg	185	5.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	68		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/21 18:58
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1556715-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.0	5.19	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/11/21 18:58
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/10/21 03:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1556715-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/13/21 13:03
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Methylation Date: 10/13/21 04:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1557381-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.08	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.36	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1556715-2 WG1556715-3									
Delta-BHC	64		68		30-150	6		30	A
Lindane	66		73		30-150	10		30	A
Alpha-BHC	68		72		30-150	6		30	A
Beta-BHC	60		64		30-150	6		30	A
Heptachlor	74		73		30-150	1		30	A
Aldrin	68		74		30-150	8		30	A
Heptachlor epoxide	53		68		30-150	25		30	A
Endrin	76		79		30-150	4		30	A
Endrin aldehyde	55		63		30-150	14		30	A
Endrin ketone	74		80		30-150	8		30	A
Dieldrin	76		79		30-150	4		30	A
4,4'-DDE	72		76		30-150	5		30	A
4,4'-DDD	73		78		30-150	7		30	A
4,4'-DDT	74		79		30-150	7		30	A
Endosulfan I	70		73		30-150	4		30	A
Endosulfan II	74		77		30-150	4		30	A
Endosulfan sulfate	64		70		30-150	9		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	63		66		30-150	5		30	A
trans-Chlordane	72		75		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1556715-2 WG1556715-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	A
Decachlorobiphenyl	90		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		67		30-150	B
Decachlorobiphenyl	90		92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1557381-2 WG1557381-3									
2,4-D	72		76		30-150	5		30	A
2,4,5-T	73		74		30-150	1		30	A
2,4,5-TP (Silvex)	74		76		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		75		30-150	A
DCAA	70		72		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2155073
Project Number: 170229024
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY
Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5050		mg/kg	8.88	2.40	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Antimony, Total	1.61	J	mg/kg	4.44	0.338	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Arsenic, Total	11.3		mg/kg	0.888	0.185	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Barium, Total	82.2		mg/kg	0.888	0.155	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Beryllium, Total	0.302	J	mg/kg	0.444	0.029	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Cadmium, Total	0.782	J	mg/kg	0.888	0.087	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Calcium, Total	9830		mg/kg	8.88	3.11	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Chromium, Total	44.5		mg/kg	0.888	0.085	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Cobalt, Total	9.58		mg/kg	1.78	0.147	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Copper, Total	65.4		mg/kg	0.888	0.229	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Iron, Total	16900		mg/kg	4.44	0.802	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Lead, Total	156		mg/kg	4.44	0.238	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Magnesium, Total	5900		mg/kg	8.88	1.37	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Manganese, Total	298		mg/kg	0.888	0.141	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Mercury, Total	0.551		mg/kg	0.080	0.052	1	10/11/21 22:44	10/13/21 12:51	EPA 7471B	1,7471B	AC
Nickel, Total	12.8		mg/kg	2.22	0.215	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Potassium, Total	517		mg/kg	222	12.8	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.78	0.229	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.888	0.251	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Sodium, Total	52.1	J	mg/kg	178	2.80	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.78	0.280	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Vanadium, Total	21.1		mg/kg	0.888	0.180	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
Zinc, Total	154		mg/kg	4.44	0.260	2	10/11/21 22:05	10/12/21 12:46	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	44		mg/kg	0.91	0.91	1		10/14/21 11:15	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2155073
Project Number: 170229024
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY
Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3010		mg/kg	8.78	2.37	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.39	0.334	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Arsenic, Total	3.78		mg/kg	0.878	0.183	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Barium, Total	77.4		mg/kg	0.878	0.153	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Beryllium, Total	0.184	J	mg/kg	0.439	0.029	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Cadmium, Total	0.369	J	mg/kg	0.878	0.086	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Calcium, Total	2460		mg/kg	8.78	3.07	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Chromium, Total	9.98		mg/kg	0.878	0.084	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Cobalt, Total	12.9		mg/kg	1.76	0.146	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Copper, Total	46.0		mg/kg	0.878	0.226	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Iron, Total	10600		mg/kg	4.39	0.793	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Lead, Total	46.2		mg/kg	4.39	0.235	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Magnesium, Total	2330		mg/kg	8.78	1.35	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Manganese, Total	679		mg/kg	0.878	0.140	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.072	0.047	1	10/11/21 22:44	10/13/21 12:54	EPA 7471B	1,7471B	AC
Nickel, Total	49.8		mg/kg	2.20	0.212	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Potassium, Total	466		mg/kg	220	12.6	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.76	0.226	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.878	0.248	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Sodium, Total	52.1	J	mg/kg	176	2.77	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.76	0.277	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Vanadium, Total	11.2		mg/kg	0.878	0.178	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
Zinc, Total	31.2		mg/kg	4.39	0.257	2	10/11/21 22:05	10/12/21 12:50	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.89	0.89	1		10/14/21 11:15	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY
Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4660		mg/kg	9.08	2.45	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Antimony, Total	2.95	J	mg/kg	4.54	0.345	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Arsenic, Total	19.3		mg/kg	0.908	0.189	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Barium, Total	94.1		mg/kg	0.908	0.158	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Beryllium, Total	0.191	J	mg/kg	0.454	0.030	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Cadmium, Total	1.08		mg/kg	0.908	0.089	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Calcium, Total	29300		mg/kg	9.08	3.18	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Chromium, Total	17.0		mg/kg	0.908	0.087	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Cobalt, Total	7.31		mg/kg	1.82	0.151	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Copper, Total	75.0		mg/kg	0.908	0.234	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Iron, Total	26000		mg/kg	4.54	0.820	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Lead, Total	314		mg/kg	4.54	0.243	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Magnesium, Total	15400		mg/kg	9.08	1.40	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Manganese, Total	237		mg/kg	0.908	0.144	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Mercury, Total	0.438		mg/kg	0.078	0.051	1	10/11/21 22:44	10/13/21 12:57	EPA 7471B	1,7471B	AC
Nickel, Total	13.3		mg/kg	2.27	0.220	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Potassium, Total	888		mg/kg	227	13.1	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.82	0.234	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.908	0.257	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Sodium, Total	174	J	mg/kg	182	2.86	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.82	0.286	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Vanadium, Total	23.0		mg/kg	0.908	0.184	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
Zinc, Total	178		mg/kg	4.54	0.266	2	10/11/21 22:05	10/12/21 13:03	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.91	0.91	1		10/14/21 11:15	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155073

Project Number: 170229024 **Report Date:** 10/22/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1557099-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Arsenic, Total	0.228	J	mg/kg	0.400	0.083	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Chromium, Total	0.056	J	mg/kg	0.400	0.038	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Iron, Total	0.364	J	mg/kg	2.00	0.361	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Sodium, Total	4.36	J	mg/kg	80.0	1.26	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/11/21 22:05	10/12/21 11:20	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1557101-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/11/21 22:44	10/13/21 11:34	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1557099-2 SRM Lot Number: D109-540								
Aluminum, Total	60		-		50-150	-		
Antimony, Total	130		-		19-250	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	86		-		75-125	-		
Beryllium, Total	92		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	92		-		75-125	-		
Iron, Total	79		-		35-165	-		
Lead, Total	94		-		72-128	-		
Magnesium, Total	79		-		62-138	-		
Manganese, Total	93		-		74-126	-		
Nickel, Total	92		-		70-130	-		
Potassium, Total	76		-		59-141	-		
Selenium, Total	95		-		68-132	-		
Silver, Total	93		-		68-131	-		
Sodium, Total	99		-		35-165	-		
Thallium, Total	93		-		68-131	-		
Vanadium, Total	87		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1557099-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1557101-2 SRM Lot Number: D109-540					
Mercury, Total	82	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557099-3 QC Sample: L2154970-01 Client ID: MS Sample												
Aluminum, Total	5330	181	6400	**592**	Q	-	-		75-125	-		20
Antimony, Total	ND	45.2	34.1	75		-	-		75-125	-		20
Arsenic, Total	2.72	10.8	12.6	91		-	-		75-125	-		20
Barium, Total	62.0	181	208	81		-	-		75-125	-		20
Beryllium, Total	0.344J	4.52	4.10	91		-	-		75-125	-		20
Cadmium, Total	0.540J	4.79	4.45	93		-	-		75-125	-		20
Calcium, Total	2000	904	2750	83		-	-		75-125	-		20
Chromium, Total	13.1	18.1	27.3	78		-	-		75-125	-		20
Cobalt, Total	7.75	45.2	44.2	81		-	-		75-125	-		20
Copper, Total	14.0	22.6	36.1	98		-	-		75-125	-		20
Iron, Total	15100	90.4	16500	**1550**	Q	-	-		75-125	-		20
Lead, Total	8.84	47.9	46.0	78		-	-		75-125	-		20
Magnesium, Total	3270	904	4240	107		-	-		75-125	-		20
Manganese, Total	634	45.2	544	**0**	Q	-	-		75-125	-		20
Nickel, Total	15.6	45.2	49.8	76		-	-		75-125	-		20
Potassium, Total	948	904	1770	91		-	-		75-125	-		20
Selenium, Total	ND	10.8	6.74	**62**	Q	-	-		75-125	-		20
Silver, Total	ND	27.1	22.9	84		-	-		75-125	-		20
Sodium, Total	114J	904	867	96		-	-		75-125	-		20
Thallium, Total	ND	10.8	8.58	79		-	-		75-125	-		20
Vanadium, Total	17.4	45.2	55.2	84		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557099-3 QC Sample: L2154970-01 Client ID: MS Sample									
Zinc, Total	35.5	45.2	76.3	90	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557101-3 QC Sample: L2154970-01 Client ID: MS Sample									
Mercury, Total	ND	0.168	0.169	100	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557099-4 QC Sample: L2154970-01 Client ID: DUP Sample						
Aluminum, Total	5330	5850	mg/kg	9		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.72	2.51	mg/kg	8		20
Barium, Total	62.0	60.7	mg/kg	2		20
Beryllium, Total	0.344J	0.361J	mg/kg	NC		20
Cadmium, Total	0.540J	0.506J	mg/kg	NC		20
Calcium, Total	2000	1990	mg/kg	1		20
Chromium, Total	13.1	13.0	mg/kg	1		20
Cobalt, Total	7.75	8.20	mg/kg	6		20
Copper, Total	14.0	15.9	mg/kg	13		20
Iron, Total	15100	16200	mg/kg	7		20
Lead, Total	8.84	8.80	mg/kg	0		20
Magnesium, Total	3270	3370	mg/kg	3		20
Manganese, Total	634	507	mg/kg	**22**	Q	20
Nickel, Total	15.6	14.9	mg/kg	5		20
Potassium, Total	948	966	mg/kg	2		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	114J	109J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557099-4 QC Sample: L2154970-01 Client ID: DUP Sample					
Thallium, Total	ND	0.334J	mg/kg	NC	20
Vanadium, Total	17.4	19.2	mg/kg	10	20
Zinc, Total	35.5	36.9	mg/kg	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557101-4 QC Sample: L2154970-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1557099-6 QC Sample: L2154970-01 Client ID: DUP Sample						
Aluminum, Total	5330	6410	mg/kg	20		20
Barium, Total	62.0	74.0	mg/kg	19		20
Calcium, Total	2000	2400	mg/kg	20		20
Iron, Total	15100	18000	mg/kg	19		20
Magnesium, Total	3270	3910	mg/kg	20		20
Manganese, Total	634	767	mg/kg	**21**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-01
Client ID: EP30_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/08/21 08:10
Date Received: 10/08/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	10/09/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.907	0.181	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-02
Client ID: EP36_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/08/21 08:15
Date Received: 10/08/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	10/09/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.886	0.177	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
Report Date: 10/22/21

SAMPLE RESULTS

Lab ID: L2155073-03
Client ID: EP42_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/08/21 08:30
Date Received: 10/08/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	10/09/21 09:29	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.912	0.182	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155073
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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1557527-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155073

Report Date: 10/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1557527-2								
Chromium, Hexavalent	84		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1557527-4 QC Sample: L2155073-02 Client ID: EP36_2												
Chromium, Hexavalent	ND	966	1040	108		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

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Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1556499-1 QC Sample: L2155192-01 Client ID: DUP Sample						
Solids, Total	95.3	96.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1557527-6 QC Sample: L2155073-02 Client ID: EP36_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155073-01A	Vial MeOH preserved	A	NA		5.9	Y	Absent		NYTCL-8260HLW(14)
L2155073-01B	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-01C	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-01D	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-01E	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),TRICR-CALC(30),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2155073-01G	Glass 120ml/4oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2155073-01H	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2155073-01I	Glass 500ml/16oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2155073-02A	Vial MeOH preserved	A	NA		5.9	Y	Absent		NYTCL-8260HLW(14)
L2155073-02B	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-02C	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-02D	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-02E	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TRICR-CALC(30),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2155073-02G	Glass 120ml/4oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155073
Report Date: 10/22/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155073-02H	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2155073-02I	Glass 500ml/16oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2155073-03A	Vial MeOH preserved	A	NA		5.9	Y	Absent		NYTCL-8260HLW(14)
L2155073-03B	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-03C	Vial water preserved	A	NA		5.9	Y	Absent	09-OCT-21 03:42	NYTCL-8260HLW(14)
L2155073-03D	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-03E	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		TS(7)
L2155073-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),TRICR-CALC(30),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2155073-03G	Glass 120ml/4oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2155073-03H	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2155073-03I	Glass 500ml/16oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2155073-04A	Plastic 250ml unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

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Project Number:	170229024	**Report Date:**	10/22/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/9/21

ALPHA Job #: L2155073

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn NY
Project # 170224024
(Use Project name as Project #) ☐
Project Manager: WOO kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals Hg, Cr	PFAS	1,4-dioxane	Sample Specific Comments	Total Bottle
55073-01	EP30-2	10/8/2021	0810	Soil	YMK	X	X	X	X	X	X	X		
02	EP36-2	↓	0815	↓	↓	X	X	X	X	X	X	X		
03	EP42-2	↓	0830	↓	↓	X	X	X	X	X	X	X		
04	PFB14-100821	↓	1300	AQ	↓						X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/8/2021 1444	GJAC (AAL)	10/08/21 13:44
GJAC [signature]	10/08/21, 19:25	[signature] AAL	10/8 1930
[signature] AAL	10/8	[signature] AAL	10/8/21 23:00
[signature] AAL	10/9/21 01:40	[signature]	10/9/21 01:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2155325
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	10/25/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2155325-01	EP48_2	SOIL	BROOKLYN, NY	10/11/21 08:00	10/11/21
L2155325-02	PFB15_101121	WATER	BROOKLYN, NY	10/11/21 11:00	10/11/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

Case Narrative (continued)

Report Submission

October 25, 2021: This final report includes the results of all requested analyses.

October 15, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2155325-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2155325-01: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

The Extracted Internal Standard recovery for the WG1558511-1 Method Blank, associated with L2155325-01, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated samples are non-detect for perfluorooctanesulfonamide (FOSA); therefore, no further actions were taken.

WG1558511-2: The Extracted Internal Standard recovery is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

WG1558511-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Semivolatile Organics

The WG1557428-2 /-3 LCS/LCSD recoveries, associated with L2155325-01D and -01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

Case Narrative (continued)

Total Metals

L2155325-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/25/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/14/21 21:32
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	12	5.6	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.35	1
Chloroform	ND		ug/kg	3.7	0.34	1
Carbon tetrachloride	ND		ug/kg	2.4	0.56	1
1,2-Dichloropropane	ND		ug/kg	2.4	0.30	1
Dibromochloromethane	ND		ug/kg	2.4	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.65	1
Tetrachloroethene	ND		ug/kg	1.2	0.48	1
Chlorobenzene	ND		ug/kg	1.2	0.31	1
Trichlorofluoromethane	ND		ug/kg	9.8	1.7	1
1,2-Dichloroethane	ND		ug/kg	2.4	0.63	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.41	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.67	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.39	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.39	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.39	1
Bromoform	ND		ug/kg	9.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.41	1
Benzene	ND		ug/kg	1.2	0.41	1
Toluene	ND		ug/kg	2.4	1.3	1
Ethylbenzene	ND		ug/kg	2.4	0.34	1
Chloromethane	ND		ug/kg	9.8	2.3	1
Bromomethane	ND		ug/kg	4.9	1.4	1
Vinyl chloride	ND		ug/kg	2.4	0.82	1
Chloroethane	ND		ug/kg	4.9	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.4	0.58	1
trans-1,2-Dichloroethene	ND		ug/kg	3.7	0.34	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.35	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.36	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.42	1
Methyl tert butyl ether	ND		ug/kg	4.9	0.49	1
p/m-Xylene	ND		ug/kg	4.9	1.4	1
o-Xylene	ND		ug/kg	2.4	0.71	1
Xylenes, Total	ND		ug/kg	2.4	0.71	1
cis-1,2-Dichloroethene	ND		ug/kg	2.4	0.43	1
1,2-Dichloroethene, Total	ND		ug/kg	2.4	0.34	1
Dibromomethane	ND		ug/kg	4.9	0.58	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	24	2.2	1
Acetone	ND		ug/kg	24	12.	1
Carbon disulfide	ND		ug/kg	24	11.	1
2-Butanone	ND		ug/kg	24	5.4	1
Vinyl acetate	ND		ug/kg	24	5.3	1
4-Methyl-2-pentanone	ND		ug/kg	24	3.1	1
1,2,3-Trichloropropane	ND		ug/kg	4.9	0.31	1
2-Hexanone	ND		ug/kg	24	2.9	1
Bromochloromethane	ND		ug/kg	4.9	0.50	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.49	1
1,2-Dibromoethane	ND		ug/kg	2.4	0.68	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.41	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.32	1
Bromobenzene	ND		ug/kg	4.9	0.35	1
n-Butylbenzene	ND		ug/kg	2.4	0.41	1
sec-Butylbenzene	ND		ug/kg	2.4	0.36	1
tert-Butylbenzene	ND		ug/kg	4.9	0.29	1
o-Chlorotoluene	ND		ug/kg	4.9	0.47	1
p-Chlorotoluene	ND		ug/kg	4.9	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.3	2.4	1
Hexachlorobutadiene	ND		ug/kg	9.8	0.41	1
Isopropylbenzene	ND		ug/kg	2.4	0.27	1
p-Isopropyltoluene	ND		ug/kg	2.4	0.27	1
Naphthalene	ND		ug/kg	9.8	1.6	1
Acrylonitrile	ND		ug/kg	9.8	2.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.4	0.42	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.79	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.66	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.47	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.82	1
1,4-Dioxane	ND		ug/kg	200	86.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.43	1
p-Ethyltoluene	ND		ug/kg	4.9	0.94	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.47	1
Ethyl ether	ND		ug/kg	4.9	0.83	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/21 21:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1559065-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/21 21:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1559065-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/21 21:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1559065-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1559065-3 WG1559065-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	107		109		70-130	2		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	116		118		70-130	2		30
1,2-Dichloropropane	104		107		70-130	3		30
Dibromochloromethane	94		99		70-130	5		30
1,1,2-Trichloroethane	98		104		70-130	6		30
Tetrachloroethene	116		117		70-130	1		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	118		118		70-139	0		30
1,2-Dichloroethane	101		104		70-130	3		30
1,1,1-Trichloroethane	115		118		70-130	3		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	94		98		70-130	4		30
cis-1,3-Dichloropropene	98		101		70-130	3		30
1,1-Dichloropropene	118		120		70-130	2		30
Bromoform	90		93		70-130	3		30
1,1,2,2-Tetrachloroethane	94		98		70-130	4		30
Benzene	107		110		70-130	3		30
Toluene	108		109		70-130	1		30
Ethylbenzene	112		113		70-130	1		30
Chloromethane	104		103		52-130	1		30
Bromomethane	92		90		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1559065-3 WG1559065-4								
Vinyl chloride	106		105		67-130	1		30
Chloroethane	105		102		50-151	3		30
1,1-Dichloroethene	112		114		65-135	2		30
trans-1,2-Dichloroethene	109		112		70-130	3		30
Trichloroethene	113		115		70-130	2		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	107		109		70-130	2		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	99		104		66-130	5		30
p/m-Xylene	114		118		70-130	3		30
o-Xylene	112		116		70-130	4		30
cis-1,2-Dichloroethene	106		109		70-130	3		30
Dibromomethane	99		101		70-130	2		30
Styrene	115		118		70-130	3		30
Dichlorodifluoromethane	115		113		30-146	2		30
Acetone	105		110		54-140	5		30
Carbon disulfide	104		106		59-130	2		30
2-Butanone	91		100		70-130	9		30
Vinyl acetate	92		94		70-130	2		30
4-Methyl-2-pentanone	77		84		70-130	9		30
1,2,3-Trichloropropane	94		99		68-130	5		30
2-Hexanone	84		88		70-130	5		30
Bromochloromethane	102		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1559065-3 WG1559065-4								
2,2-Dichloropropane	115		116		70-130	1		30
1,2-Dibromoethane	93		97		70-130	4		30
1,3-Dichloropropane	99		104		69-130	5		30
1,1,1,2-Tetrachloroethane	111		114		70-130	3		30
Bromobenzene	105		107		70-130	2		30
n-Butylbenzene	117		119		70-130	2		30
sec-Butylbenzene	116		116		70-130	0		30
tert-Butylbenzene	115		116		70-130	1		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	78		82		68-130	5		30
Hexachlorobutadiene	118		117		67-130	1		30
Isopropylbenzene	115		116		70-130	1		30
p-Isopropyltoluene	118		119		70-130	1		30
Naphthalene	100		104		70-130	4		30
Acrylonitrile	87		90		70-130	3		30
n-Propylbenzene	115		116		70-130	1		30
1,2,3-Trichlorobenzene	106		110		70-130	4		30
1,2,4-Trichlorobenzene	111		113		70-130	2		30
1,3,5-Trimethylbenzene	115		116		70-130	1		30
1,2,4-Trimethylbenzene	114		116		70-130	2		30
1,4-Dioxane	73		78		65-136	7		30
p-Diethylbenzene	118		119		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1559065-3 WG1559065-4								
p-Ethyltoluene	115		117		70-130	2		30
1,2,4,5-Tetramethylbenzene	114		115		70-130	1		30
Ethyl ether	90		91		67-130	1		30
trans-1,4-Dichloro-2-butene	92		97		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/13/21 06:17
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/12/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	14000	E	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	960		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	5800		ug/kg	110	21.	1
Benzo(a)pyrene	5200		ug/kg	150	46.	1
Benzo(b)fluoranthene	7100		ug/kg	110	32.	1
Benzo(k)fluoranthene	1400		ug/kg	110	30.	1
Chrysene	5600		ug/kg	110	20.	1
Acenaphthylene	750		ug/kg	150	29.	1
Anthracene	2700		ug/kg	110	37.	1
Benzo(ghi)perylene	3400		ug/kg	150	22.	1
Fluorene	1000		ug/kg	190	18.	1
Phenanthrene	13000	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	720		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	3900		ug/kg	150	26.	1
Pyrene	13000	E	ug/kg	110	19.	1
Biphenyl	130	J	ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	800		ug/kg	190	18.	1
2-Methylnaphthalene	430		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	54	J	ug/kg	190	28.	1
2-Methylphenol	35	J	ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	100	J	ug/kg	270	30.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	1100		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	74		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/19/21 00:26
Analyst: HT
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/14/21 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.025	J	ng/g	0.524	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.052	J	ng/g	0.524	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.524	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.063	1
Perfluorooctanoic Acid (PFOA)	0.308		ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.524	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.524	0.143	1
Perfluorononanoic Acid (PFNA)	0.111	J	ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.642		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	0.102	J	ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.524	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.524	0.211	1
Perfluoroundecanoic Acid (PFUnA)	0.092	J	ng/g	0.524	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.524	0.160	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.524	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.524	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.524	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.524	0.057	1
PFOA/PFOS, Total	0.950		ng/g	0.262	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	96		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**33**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/20/21 09:08
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 10/14/21 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.524	0.103	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 D
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/15/21 14:07
Analyst: WR
Percent Solids: 88%

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 10/12/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	560	110	5
Phenanthrene	11000		ug/kg	560	110	5
Pyrene	11000		ug/kg	560	94.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-02
Client ID: PFB15_101121
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 11:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 09:03
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.74	0.355	1
Perfluoropentanoic Acid (PFPeA)	0.345	J	ng/l	1.74	0.345	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.74	0.207	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.74	0.286	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.74	0.196	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.74	0.327	1
Perfluorooctanoic Acid (PFOA)	0.254	J	ng/l	1.74	0.205	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.18	J	ng/l	1.74	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.74	0.599	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.74	0.272	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.74	0.439	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.74	0.265	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.74	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.74	0.564	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.74	0.226	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.74	0.853	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.74	0.505	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.74	0.700	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.74	0.324	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.74	0.285	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.74	0.216	1
PFOA/PFOS, Total	0.254	J	ng/l	1.74	0.205	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-02 Date Collected: 10/11/21 11:00

Client ID: PFB15_101121 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/12/21 20:50
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/12/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1557428-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/12/21 20:50
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/12/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1557428-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/12/21 20:50
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/12/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1557428-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	68		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/18/21 21:07
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/14/21 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1558511-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/18/21 21:07
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/14/21 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1558511-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/20/21 08:46
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/14/21 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1558511-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 05:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1559407-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.49	J	ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/21/21 05:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/16/21 03:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1559407-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1557428-2 WG1557428-3								
Acenaphthene	74		71		31-137	4		50
1,2,4-Trichlorobenzene	80		77		38-107	4		50
Hexachlorobenzene	81		77		40-140	5		50
Bis(2-chloroethyl)ether	75		74		40-140	1		50
2-Chloronaphthalene	79		77		40-140	3		50
1,2-Dichlorobenzene	78		75		40-140	4		50
1,3-Dichlorobenzene	77		74		40-140	4		50
1,4-Dichlorobenzene	78		74		28-104	5		50
3,3'-Dichlorobenzidine	67		63		40-140	6		50
2,4-Dinitrotoluene	84		82		40-132	2		50
2,6-Dinitrotoluene	85		81		40-140	5		50
Fluoranthene	81		79		40-140	3		50
4-Chlorophenyl phenyl ether	76		73		40-140	4		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	68		65		40-140	5		50
Bis(2-chloroethoxy)methane	80		76		40-117	5		50
Hexachlorobutadiene	77		73		40-140	5		50
Hexachlorocyclopentadiene	**33**	Q	**32**	Q	40-140	3		50
Hexachloroethane	81		79		40-140	3		50
Isophorone	84		81		40-140	4		50
Naphthalene	76		72		40-140	5		50
Nitrobenzene	84		81		40-140	4		50
NDPA/DPA	79		76		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1557428-2 WG1557428-3								
n-Nitrosodi-n-propylamine	84		81		32-121	4		50
Bis(2-ethylhexyl)phthalate	91		84		40-140	8		50
Butyl benzyl phthalate	93		88		40-140	6		50
Di-n-butylphthalate	90		86		40-140	5		50
Di-n-octylphthalate	91		84		40-140	8		50
Diethyl phthalate	82		78		40-140	5		50
Dimethyl phthalate	85		81		40-140	5		50
Benzo(a)anthracene	77		73		40-140	5		50
Benzo(a)pyrene	81		76		40-140	6		50
Benzo(b)fluoranthene	83		79		40-140	5		50
Benzo(k)fluoranthene	77		72		40-140	7		50
Chrysene	76		73		40-140	4		50
Acenaphthylene	80		77		40-140	4		50
Anthracene	82		79		40-140	4		50
Benzo(ghi)perylene	82		78		40-140	5		50
Fluorene	78		75		40-140	4		50
Phenanthrene	80		78		40-140	3		50
Dibenzo(a,h)anthracene	83		81		40-140	2		50
Indeno(1,2,3-cd)pyrene	84		80		40-140	5		50
Pyrene	81		78		35-142	4		50
Biphenyl	78		74		37-127	5		50
4-Chloroaniline	83		77		40-140	8		50
2-Nitroaniline	84		79		47-134	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1557428-2 WG1557428-3								
3-Nitroaniline	71		68		26-129	4		50
4-Nitroaniline	78		75		41-125	4		50
Dibenzofuran	77		74		40-140	4		50
2-Methylnaphthalene	78		75		40-140	4		50
1,2,4,5-Tetrachlorobenzene	76		72		40-117	5		50
Acetophenone	88		85		14-144	3		50
2,4,6-Trichlorophenol	80		76		30-130	5		50
p-Chloro-m-cresol	87		84		26-103	4		50
2-Chlorophenol	82		79		25-102	4		50
2,4-Dichlorophenol	90		86		30-130	5		50
2,4-Dimethylphenol	92		89		30-130	3		50
2-Nitrophenol	84		82		30-130	2		50
4-Nitrophenol	81		81		11-114	0		50
2,4-Dinitrophenol	44		47		4-130	7		50
4,6-Dinitro-o-cresol	70		72		10-130	3		50
Pentachlorophenol	68		66		17-109	3		50
Phenol	80		79		26-90	1		50
2-Methylphenol	84		84		30-130.	0		50
3-Methylphenol/4-Methylphenol	92		90		30-130	2		50
2,4,5-Trichlorophenol	79		76		30-130	4		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	90		88		40-140	2		50
Carbazole	82		80		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1557428-2 WG1557428-3								
1,4-Dioxane	52		51		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		74		25-120
Phenol-d6	83		82		10-120
Nitrobenzene-d5	85		84		23-120
2-Fluorobiphenyl	76		71		30-120
2,4,6-Tribromophenol	85		81		10-136
4-Terphenyl-d14	84		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1558511-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	86		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	93		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	99		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1558511-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	108				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1558511-2								
Perfluorooctanesulfonamide (FOSA)	118		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1559407-2								
Perfluorobutanoic Acid (PFBA)	102		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	97		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	101		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	98		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	94		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	104		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	113		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1559407-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-3 QC Sample: L2151954-15 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.69	4.70	100		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.69	4.59	98		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.17	4.32	104		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.39	4.73	108		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.69	4.55	97		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.41	4.50	102		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.69	4.62	99		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.29	4.33	101		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	4.69	4.50	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.47	4.74	106		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.47	4.30	96		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.69	4.02	86		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.35	4.42	102		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.69	4.35	93		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.5	4.68	104		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.51	4.36	97		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.69	3.48	74		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.69	4.29	91		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.52	4.65	103		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.69	3.75	80		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.69	4.97	106		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.69	5.39	115		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-3 QC Sample: L2151954-15 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	4.69	4.72	101		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	75				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**8**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**6**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	76				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75				58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-5 WG1558511-6 QC Sample: L2153496-21 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.33	5.32	100		4.94	99		71-135	7		30
Perfluoropentanoic Acid (PFPeA)	ND	5.33	5.23	98		4.82	97		69-132	8		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.74	4.84	102		4.44	100		72-128	9		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.99	5.40	108		4.97	107		62-145	8		30
Perfluorohexanoic Acid (PFHxA)	ND	5.33	5.24	98		4.86	98		70-132	8		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.01	5.23	104		4.67	100		73-123	11		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.33	5.32	100		4.94	99		71-131	7		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.87	4.90	101		4.46	98		67-130	9		30
Perfluorooctanoic Acid (PFOA)	0.072J	5.33	5.20	96		4.86	96		69-133	7		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.08	5.28	104		4.81	101		64-140	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.08	5.33	105		4.65	98		70-132	14		30
Perfluorononanoic Acid (PFNA)	ND	5.33	4.68	88		4.32	87		72-129	8		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.95	5.08	103		4.74	103		68-136	7		30
Perfluorodecanoic Acid (PFDA)	ND	5.33	5.10	96		4.79	96		69-133	6		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.12	4.98	97		4.53	95		65-137	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.13	5.13	100		4.50	94		69-125	13		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.33	5.96F	112		5.34F	107		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.33	5.00	94		4.65	93		64-136	7		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.14	4.91	96		4.59	96		59-134	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.33	5.40	101		5.06	102		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	ND	5.33	5.57	104		5.02	101		69-135	10		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.33	5.98	112		5.28	106		66-139	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-5 WG1558511-6 QC Sample: L2153496-21 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.33	5.60	105		4.91	99		69-133	13		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		89		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	76		67		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		80		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38		36		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31		**28**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		78		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		**70**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		**60**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**70**	Q	**63**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		83		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	53		53		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**55**	Q	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	61		**54**	Q	58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		81		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		**72**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		85		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		84		74-139

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1559407-3 QC Sample: L2154676-01 Client ID: MS Sample												
Perfluorobutanesulfonic Acid (PFBS)	ND	34.4	31.8	92		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36.2	35.6	98		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38.7	36.6	95		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36.4	31.8	87		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38.7	35.5	92		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.4	32.9	93		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	0.241J	38.7	37.2	96		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.58J	36.8	37.3	97		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.8	36.5	99		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38.7	35.1	91		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.9	32.5	90		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.7	34.4	89		-	-		63-171	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.7	42.7	110		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.7	35.1	91		-	-		60-153	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.7	36.9	95		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.7	39.6	102		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38.7	41.8	108		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.7	37.6	97		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	377	327	87		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	36.5	30.2	83		-	-		69-143	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	36.1	34.3	95		-	-		55-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1559407-3 QC Sample: L2154676-01 Client ID: MS Sample												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	36.5	33.2	91		-	-		52-156	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	80				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	91				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	64				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67				22-136
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-4 QC Sample: L2155325-01 Client ID: EP48_2						
Perfluorobutanoic Acid (PFBA)	0.025J	0.035J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	0.052J	0.054J	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.308	0.318	ng/g	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	0.111J	0.108J	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.642	0.634F	ng/g	1		30
Perfluorodecanoic Acid (PFDA)	0.102J	0.087J	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	0.092J	0.099J	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-4 QC Sample: L2155325-01 Client ID: EP48_2

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		65		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		65		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		71		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		72		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		82		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		82		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		84		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	96		88		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		86		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**33**	Q	**32**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		71		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		56		24-159

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1558511-4 QC Sample: L2155325-01 Client ID: EP48_2

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		61		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1559407-4 QC Sample: L2154676-03 Client ID: DUP Sample						
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.52JF	1.63J	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1559407-4 QC Sample: L2154676-03 Client ID: DUP Sample						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	ND	ng/l	NC		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		91		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	69		77		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		94		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		88		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		86		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		92		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		90		62-124
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		88		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		94		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		105		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		75		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	116		115		10-165

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/14/21 12:18
Analyst: AD
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/13/21 12:51
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	3.31	1	A
Aroclor 1221	ND		ug/kg	37.3	3.74	1	A
Aroclor 1232	ND		ug/kg	37.3	7.91	1	A
Aroclor 1242	ND		ug/kg	37.3	5.03	1	A
Aroclor 1248	ND		ug/kg	37.3	5.60	1	A
Aroclor 1254	ND		ug/kg	37.3	4.08	1	A
Aroclor 1260	11.4	J	ug/kg	37.3	6.90	1	A
Aroclor 1262	ND		ug/kg	37.3	4.74	1	A
Aroclor 1268	ND		ug/kg	37.3	3.86	1	A
PCBs, Total	11.4	J	ug/kg	37.3	3.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/14/21 11:40
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 10/13/21 10:52
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1558039-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.14	A
Aroclor 1232	ND		ug/kg	31.4	6.65	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.43	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	58		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1558039-2 WG1558039-3									
Aroclor 1016	59		64		40-140	8		50	A
Aroclor 1260	61		66		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		58		30-150	A
Decachlorobiphenyl	51		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		56		30-150	B
Decachlorobiphenyl	55		60		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/14/21 15:46
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/13/21 11:54
Cleanup Method: EPA 3620B
Cleanup Date: 10/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.623	1	A
trans-Chlordane	ND		ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.9	5.93	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2155325

Project Number: 170229024 **Report Date:** 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01 Date Collected: 10/11/21 08:00

Client ID: EP48_2 Date Received: 10/11/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/13/21 15:28
Analyst: AR
Percent Solids: 88%
Methylation Date: 10/13/21 04:33

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/13/21 13:03
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/12/21 07:25

Methylation Date: 10/13/21 04:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1557381-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.08	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.36	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	61		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/13/21 09:37
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 10/12/21 12:56
Cleanup Method: EPA 3620B
Cleanup Date: 10/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1557602-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.182	A
Beta-BHC	ND		ug/kg	1.53	0.582	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.959	0.480	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.513	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.895	A
Toxaphene	ND		ug/kg	28.8	8.06	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/13/21 09:37
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 10/12/21 12:56
Cleanup Method: EPA 3620B
Cleanup Date: 10/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1557602-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	126		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1557381-2 WG1557381-3									
2,4-D	72		76		30-150	5		30	A
2,4,5-T	73		74		30-150	1		30	A
2,4,5-TP (Silvex)	74		76		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		75		30-150	A
DCAA	70		72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1557602-2 WG1557602-3									
Delta-BHC	80		81		30-150	1		30	A
Lindane	82		86		30-150	5		30	A
Alpha-BHC	78		82		30-150	5		30	A
Beta-BHC	79		81		30-150	3		30	A
Heptachlor	91		94		30-150	3		30	A
Aldrin	85		88		30-150	3		30	A
Heptachlor epoxide	78		82		30-150	5		30	A
Endrin	93		96		30-150	3		30	A
Endrin aldehyde	73		74		30-150	1		30	A
Endrin ketone	82		82		30-150	0		30	A
Dieldrin	95		99		30-150	4		30	A
4,4'-DDE	84		86		30-150	2		30	A
4,4'-DDD	98		102		30-150	4		30	A
4,4'-DDT	98		101		30-150	3		30	A
Endosulfan I	82		86		30-150	5		30	A
Endosulfan II	91		94		30-150	3		30	A
Endosulfan sulfate	79		84		30-150	6		30	A
Methoxychlor	88		90		30-150	2		30	A
cis-Chlordane	68		70		30-150	3		30	A
trans-Chlordane	99		105		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1557602-2 WG1557602-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	129		136		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		75		30-150	B
Decachlorobiphenyl	90		95		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY
Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4140		mg/kg	8.66	2.34	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Antimony, Total	2.36	J	mg/kg	4.33	0.329	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Arsenic, Total	17.8		mg/kg	0.866	0.180	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Barium, Total	72.8		mg/kg	0.866	0.151	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Beryllium, Total	0.269	J	mg/kg	0.433	0.029	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Cadmium, Total	0.546	J	mg/kg	0.866	0.085	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Calcium, Total	39600		mg/kg	8.66	3.03	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Chromium, Total	16.8		mg/kg	0.866	0.083	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Cobalt, Total	5.37		mg/kg	1.73	0.144	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Copper, Total	59.7		mg/kg	0.866	0.224	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Iron, Total	24000		mg/kg	4.33	0.782	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Lead, Total	160		mg/kg	4.33	0.232	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Magnesium, Total	21200		mg/kg	8.66	1.33	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Manganese, Total	200		mg/kg	0.866	0.138	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Mercury, Total	0.343		mg/kg	0.072	0.047	1	10/13/21 05:55	10/13/21 18:44	EPA 7471B	1,7471B	AC
Nickel, Total	10.9		mg/kg	2.17	0.210	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Potassium, Total	659		mg/kg	217	12.5	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Selenium, Total	0.693	J	mg/kg	1.73	0.224	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.866	0.245	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Sodium, Total	102	J	mg/kg	173	2.73	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.73	0.273	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Vanadium, Total	24.2		mg/kg	0.866	0.176	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
Zinc, Total	107		mg/kg	4.33	0.254	2	10/13/21 05:25	10/13/21 15:07	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.91	0.91	1		10/14/21 11:15	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1557605-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Antimony, Total	0.172	J	mg/kg	2.00	0.152	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Chromium, Total	0.072	J	mg/kg	0.400	0.038	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Iron, Total	0.452	J	mg/kg	2.00	0.361	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/13/21 05:25	10/13/21 14:06	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1557607-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/13/21 05:55	10/13/21 17:38	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1557605-2 SRM Lot Number: D109-540								
Aluminum, Total	76		-		50-150	-		
Antimony, Total	149		-		19-250	-		
Arsenic, Total	104		-		70-130	-		
Barium, Total	97		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Calcium, Total	94		-		73-128	-		
Chromium, Total	101		-		70-130	-		
Cobalt, Total	101		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	106		-		35-165	-		
Lead, Total	99		-		72-128	-		
Magnesium, Total	87		-		62-138	-		
Manganese, Total	94		-		74-126	-		
Nickel, Total	100		-		70-130	-		
Potassium, Total	89		-		59-141	-		
Selenium, Total	104		-		68-132	-		
Silver, Total	104		-		68-131	-		
Sodium, Total	165		-		35-165	-		
Thallium, Total	100		-		68-131	-		
Vanadium, Total	104		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1557605-2 SRM Lot Number: D109-540					
Zinc, Total	100	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1557607-2 SRM Lot Number: D109-540					
Mercury, Total	111	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1557605-3 WG1557605-4 QC Sample: L2154400-01 Client ID: MS Sample												
Aluminum, Total	3520	171	4860	**783**	Q	5600	**1210**	Q	75-125	14		20
Antimony, Total	ND	42.8	37.8	88		33.9	79		75-125	11		20
Arsenic, Total	0.994J	10.3	10.5	102		9.85	95		75-125	6		20
Barium, Total	30.8	171	212	106		182	88		75-125	15		20
Beryllium, Total	0.381J	4.28	4.58	107		3.97	92		75-125	14		20
Cadmium, Total	0.211J	4.53	4.26	94		3.88	85		75-125	9		20
Calcium, Total	3870	856	4970	**128**	Q	4110	**28**	Q	75-125	19		20
Chromium, Total	7.30	17.1	25.6	107		23.9	96		75-125	7		20
Cobalt, Total	4.02J	42.8	42.8	100		45.8	106		75-125	7		20
Copper, Total	8.35	21.4	37.9	**138**	Q	32.2	111		75-125	16		20
Iron, Total	11800	85.6	14600	**3270**	Q	13200	**1620**	Q	75-125	10		20
Lead, Total	11.5	45.3	49.4	84		49.0	82		75-125	1		20
Magnesium, Total	2300	856	3770	**172**	Q	3310	117		75-125	13		20
Manganese, Total	140	42.8	246	**248**	Q	221	**188**	Q	75-125	11		20
Nickel, Total	6.94	42.8	44.2	87		43.8	85		75-125	1		20
Potassium, Total	898	856	2150	**146**	Q	1730	96		75-125	**22**	Q	20
Selenium, Total	ND	10.3	9.78	95		8.49	82		75-125	14		20
Silver, Total	ND	25.7	26.4	103		22.0	85		75-125	18		20
Sodium, Total	85.0J	856	951	111		811	94		75-125	16		20
Thallium, Total	ND	10.3	8.38	82		7.54	**73**	Q	75-125	11		20
Vanadium, Total	14.0	42.8	59.1	105		48.7	80		75-125	19		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1557605-3 WG1557605-4 QC Sample: L2154400-01 Client ID: MS Sample											
Zinc, Total	108	42.8	121	**30**	Q	114	**14**	Q	75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1557607-3 QC Sample: L2155248-01 Client ID: MS Sample											
Mercury, Total	ND	0.134	0.142	106		-	-		80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1557607-4 QC Sample: L2155248-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

SAMPLE RESULTS

Lab ID: L2155325-01
Client ID: EP48_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/11/21 08:00
Date Received: 10/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	10/12/21 06:51	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.912	0.182	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1557527-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/13/21 08:50	10/14/21 11:15	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1557527-2								
Chromium, Hexavalent	84		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1557527-4 QC Sample: L2155073-02 Client ID: MS Sample												
Chromium, Hexavalent	ND	966	1040	108		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2155325

Report Date: 10/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1557367-1 QC Sample: L2155233-01 Client ID: DUP Sample						
Solids, Total	74.2	71.5	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1557527-6 QC Sample: L2155073-02 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2155325
Report Date: 10/25/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155325-01A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2155325-01B	Vial water preserved	A	NA		2.5	Y	Absent	12-OCT-21 06:34	NYTCL-8260HLW(14)
L2155325-01C	Vial water preserved	A	NA		2.5	Y	Absent	12-OCT-21 06:34	NYTCL-8260HLW(14)
L2155325-01D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2155325-01E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2155325-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2155325-01G	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		HEXCR-7196(30)
L2155325-01H	Plastic 8oz unpreserved	A	NA		2.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2155325-01I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155325-02A	Plastic 250ml unpreserved	A	NA		2.5	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2155325
Report Date: 10/25/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2155325
Project Number:	170229024	**Report Date:**	10/25/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/12/21

ALPHA Job #: L2155325

Client Information
Client: Langan DPC
Address: 360 W 31 Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Bayshore NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCB's	Pesticides / Herbicides	TAL Metals / Hexavalent Cr	PFAS	1,4-dioxane	Total Bottle	Sample Specific Comments
L2155325-01	EP48-2	10/11/2021	0800	Soil	YMP	X	X	X	X	X	X	X		
02	DFB15-101121	↓	1100	AQ	↓						2			

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	10/11/21 14:45	[signature]	10/11/21 14:45
[signature]	10/11/21 19:10	[signature] AAL	10/11/21 20:30
[signature] AAL	10/11/21	[signature]	10/12/21 2355
[signature]	10/12/21 0230	[signature]	10/12/21 02:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2157422
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	10/29/21

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2157422-01	EP15_2	SOIL	BROOKLYN, NY	10/20/21 07:50	10/20/21
L2157422-02	EP21_2	SOIL	BROOKLYN, NY	10/20/21 08:00	10/20/21
L2157422-03	PFB16_102021	WATER	BROOKLYN, NY	10/20/21 10:10	10/20/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

Case Narrative (continued)

Report Submission

October 29, 2021: This final report includes the results of all requested analyses.

October 26, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

The Extracted Internal Standard recovery for the WG1562594-1 Method Blank, associated with L2157422-01 and -02, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated targets are non-detect for perfluorooctanesulfonamide (fosa) and all associated samples have acceptable recovery for m8fosa.

WG1562594-2: The Extracted Internal Standard recovery is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated target analytes are within criteria.

Total Metals

L2157422-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 10/29/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY
Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/21 00:19
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.0	1
1,2-Dichloroethane	2.6		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Bromodichloromethane	ND		ug/kg	0.76	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.1	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.3	1
Carbon disulfide	ND		ug/kg	15	6.9	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.1	0.98	1
Acrylonitrile	ND		ug/kg	6.1	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY
Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/21 00:44
Analyst: NLK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/21 16:20
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1563109-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.16	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.59	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/21 16:20
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1563109-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/21 16:20
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1563109-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1563109-3 WG1563109-4								
Methylene chloride	100		93		70-130	7		30
1,1-Dichloroethane	102		95		70-130	7		30
Chloroform	107		101		70-130	6		30
Carbon tetrachloride	121		113		70-130	7		30
1,2-Dichloropropane	96		91		70-130	5		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	98		98		70-130	0		30
Tetrachloroethene	120		115		70-130	4		30
Chlorobenzene	108		105		70-130	3		30
Trichlorofluoromethane	115		104		70-139	10		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	122		115		70-130	6		30
Bromodichloromethane	109		106		70-130	3		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
1,1-Dichloropropene	116		109		70-130	6		30
Bromoform	98		102		70-130	4		30
1,1,2,2-Tetrachloroethane	91		92		70-130	1		30
Benzene	108		102		70-130	6		30
Toluene	104		100		70-130	4		30
Ethylbenzene	103		99		70-130	4		30
Chloromethane	105		96		52-130	9		30
Bromomethane	127		116		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1563109-3 WG1563109-4								
Vinyl chloride	101		94		67-130	7		30
Chloroethane	120		111		50-151	8		30
1,1-Dichloroethene	117		108		65-135	8		30
trans-1,2-Dichloroethene	116		106		70-130	9		30
Trichloroethene	116		110		70-130	5		30
1,2-Dichlorobenzene	105		101		70-130	4		30
1,3-Dichlorobenzene	108		104		70-130	4		30
1,4-Dichlorobenzene	105		101		70-130	4		30
Methyl tert butyl ether	90		88		66-130	2		30
p/m-Xylene	112		108		70-130	4		30
o-Xylene	110		106		70-130	4		30
cis-1,2-Dichloroethene	111		103		70-130	7		30
Dibromomethane	105		105		70-130	0		30
Styrene	108		105		70-130	3		30
Dichlorodifluoromethane	118		109		30-146	8		30
Acetone	**49**	Q	**48**	Q	54-140	2		30
Carbon disulfide	104		96		59-130	8		30
2-Butanone	72		78		70-130	8		30
Vinyl acetate	106		104		70-130	2		30
4-Methyl-2-pentanone	74		78		70-130	5		30
1,2,3-Trichloropropane	87		86		68-130	1		30
2-Hexanone	**66**	Q	71		70-130	7		30
Bromochloromethane	115		108		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1563109-3 WG1563109-4								
2,2-Dichloropropane	109		102		70-130	7		30
1,2-Dibromoethane	108		110		70-130	2		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	114		113		70-130	1		30
Bromobenzene	102		98		70-130	4		30
n-Butylbenzene	110		104		70-130	6		30
sec-Butylbenzene	111		104		70-130	7		30
tert-Butylbenzene	110		103		70-130	7		30
o-Chlorotoluene	99		94		70-130	5		30
p-Chlorotoluene	98		93		70-130	5		30
1,2-Dibromo-3-chloropropane	102		105		68-130	3		30
Hexachlorobutadiene	114		109		67-130	4		30
Isopropylbenzene	105		99		70-130	6		30
p-Isopropyltoluene	113		107		70-130	5		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	86		86		70-130	0		30
n-Propylbenzene	102		97		70-130	5		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	105		102		70-130	3		30
1,3,5-Trimethylbenzene	104		98		70-130	6		30
1,2,4-Trimethylbenzene	104		99		70-130	5		30
1,4-Dioxane	93		97		65-136	4		30
p-Diethylbenzene	113		106		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1563109-3 WG1563109-4								
p-Ethyltoluene	106		100		70-130	6		30
1,2,4,5-Tetramethylbenzene	106		101		70-130	5		30
Ethyl ether	90		87		67-130	3		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		91		70-130
Toluene-d8	95		97		70-130
4-Bromofluorobenzene	82		82		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/25/21 08:37
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	36	J	ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	3000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	560		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	210		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	42	J	ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1600		ug/kg	110	20.	1
Benzo(a)pyrene	1400		ug/kg	140	44.	1
Benzo(b)fluoranthene	2000		ug/kg	110	30.	1
Benzo(k)fluoranthene	520		ug/kg	110	29.	1
Chrysene	1600		ug/kg	110	19.	1
Acenaphthylene	120	J	ug/kg	140	28.	1
Anthracene	690		ug/kg	110	35.	1
Benzo(ghi)perylene	1000		ug/kg	140	21.	1
Fluorene	470		ug/kg	180	18.	1
Phenanthrene	2700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	320		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	140	25.	1
Pyrene	2700		ug/kg	110	18.	1
Biphenyl	96	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	340		ug/kg	180	17.	1
2-Methylnaphthalene	340		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	39	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	270		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	67		18-120

Project Name: 45 COMMERCIAL STREET
Lab Number: L2157422
Project Number: 170229024
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/26/21 18:13
Analyst: RS
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 10/25/21 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.523	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.523	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.523	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.063	1
Perfluorooctanoic Acid (PFOA)	0.115	J	ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.523	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.523	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.523	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.523	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.523	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.523	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.523	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.523	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.523	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.523	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.523	0.057	1
PFOA/PFOS, Total	0.115	J	ng/g	0.262	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	114		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	123		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	55		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/25/21 08:59
Analyst: CMM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	810		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	6500		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	790		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	270		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	4000		ug/kg	100	19.	1
Benzo(a)pyrene	3600		ug/kg	140	42.	1
Benzo(b)fluoranthene	5100		ug/kg	100	29.	1
Benzo(k)fluoranthene	780		ug/kg	100	27.	1
Chrysene	3500		ug/kg	100	18.	1
Acenaphthylene	290		ug/kg	140	26.	1
Anthracene	1800		ug/kg	100	33.	1
Benzo(ghi)perylene	2700		ug/kg	140	20.	1
Fluorene	930		ug/kg	170	17.	1
Phenanthrene	5700		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	840		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	2900		ug/kg	140	24.	1
Pyrene	6000		ug/kg	100	17.	1
Biphenyl	150	J	ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	710		ug/kg	170	16.	1
2-Methylnaphthalene	470		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	67	J	ug/kg	250	27.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	820		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	90		18-120

Project Name: 45 COMMERCIAL STREET
Lab Number: L2157422
Project Number: 170229024
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/26/21 18:29
Analyst: RS
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 10/25/21 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.026	J	ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.061	1
Perfluorooctanoic Acid (PFOA)	0.096	J	ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.508	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.508	0.055	1
PFOA/PFOS, Total	0.096	J	ng/g	0.254	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-03
Client ID: PFB16_102021
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 10:10
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/22/21 06:08
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/21/21 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.73	0.353	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.73	0.343	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.73	0.206	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.73	0.284	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.73	0.195	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.73	0.326	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.73	0.204	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.73	1.15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.73	0.596	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.73	0.270	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.73	0.436	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.73	0.263	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.73	1.05	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.73	0.561	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.73	0.225	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.73	0.849	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.73	0.502	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.73	0.696	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.73	0.322	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.73	0.283	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.73	0.215	1
PFOA/PFOS, Total	ND		ng/l	1.73	0.204	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-03 Date Collected: 10/20/21 10:10

Client ID: PFB16_102021 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/22/21 04:28
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/21/21 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1561438-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/22/21 04:28
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/21/21 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1561438-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	143		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/21 15:43
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/21/21 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1561438-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		10-112

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/21 07:31
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1562211-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/21 07:31
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1562211-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/21 07:31
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1562211-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	87		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/26/21 16:17
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/25/21 12:06

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1562594-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/26/21 16:17
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 10/25/21 12:06

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1562594-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**7**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/28/21 12:42
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 10/25/21 12:06

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1562594-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	75		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1561438-2								
Perfluorobutanoic Acid (PFBA)	115		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	111		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	114		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	111		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	113		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	114		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	122		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	109		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	119		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	104		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	116		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	111		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	125		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	109		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	116		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	119		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	133		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	110		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1561438-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1561438-2								
Perfluorooctanesulfonamide (FOSA)	130		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51				10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1562211-2 WG1562211-3								
Acenaphthene	82		71		31-137	14		50
1,2,4-Trichlorobenzene	82		68		38-107	19		50
Hexachlorobenzene	83		68		40-140	20		50
Bis(2-chloroethyl)ether	83		68		40-140	20		50
2-Chloronaphthalene	80		69		40-140	15		50
1,2-Dichlorobenzene	81		67		40-140	19		50
1,3-Dichlorobenzene	80		65		40-140	21		50
1,4-Dichlorobenzene	80		65		28-104	21		50
3,3'-Dichlorobenzidine	60		58		40-140	3		50
2,4-Dinitrotoluene	80		71		40-132	12		50
2,6-Dinitrotoluene	85		74		40-140	14		50
Fluoranthene	82		72		40-140	13		50
4-Chlorophenyl phenyl ether	80		70		40-140	13		50
4-Bromophenyl phenyl ether	82		68		40-140	19		50
Bis(2-chloroisopropyl)ether	96		79		40-140	19		50
Bis(2-chloroethoxy)methane	89		72		40-117	21		50
Hexachlorobutadiene	80		68		40-140	16		50
Hexachlorocyclopentadiene	70		59		40-140	17		50
Hexachloroethane	87		70		40-140	22		50
Isophorone	92		76		40-140	19		50
Naphthalene	81		70		40-140	15		50
Nitrobenzene	92		75		40-140	20		50
NDPA/DPA	84		71		36-157	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1562211-2 WG1562211-3								
n-Nitrosodi-n-propylamine	94		77		32-121	20		50
Bis(2-ethylhexyl)phthalate	99		88		40-140	12		50
Butyl benzyl phthalate	94		82		40-140	14		50
Di-n-butylphthalate	94		83		40-140	12		50
Di-n-octylphthalate	98		86		40-140	13		50
Diethyl phthalate	85		74		40-140	14		50
Dimethyl phthalate	84		72		40-140	15		50
Benzo(a)anthracene	83		75		40-140	10		50
Benzo(a)pyrene	83		71		40-140	16		50
Benzo(b)fluoranthene	83		76		40-140	9		50
Benzo(k)fluoranthene	82		65		40-140	23		50
Chrysene	77		65		40-140	17		50
Acenaphthylene	85		74		40-140	14		50
Anthracene	81		71		40-140	13		50
Benzo(ghi)perylene	81		68		40-140	17		50
Fluorene	84		72		40-140	15		50
Phenanthrene	81		69		40-140	16		50
Dibenzo(a,h)anthracene	85		73		40-140	15		50
Indeno(1,2,3-cd)pyrene	82		67		40-140	20		50
Pyrene	82		71		35-142	14		50
Biphenyl	79		67		37-127	16		50
4-Chloroaniline	77		64		40-140	18		50
2-Nitroaniline	88		74		47-134	17		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1562211-2 WG1562211-3								
3-Nitroaniline	64		60		26-129	6		50
4-Nitroaniline	77		67		41-125	14		50
Dibenzofuran	82		71		40-140	14		50
2-Methylnaphthalene	80		67		40-140	18		50
1,2,4,5-Tetrachlorobenzene	82		68		40-117	19		50
Acetophenone	85		69		14-144	21		50
2,4,6-Trichlorophenol	84		70		30-130	18		50
p-Chloro-m-cresol	90		79		26-103	13		50
2-Chlorophenol	88		72		25-102	20		50
2,4-Dichlorophenol	92		75		30-130	20		50
2,4-Dimethylphenol	96		78		30-130	21		50
2-Nitrophenol	88		72		30-130	20		50
4-Nitrophenol	90		78		11-114	14		50
2,4-Dinitrophenol	71		63		4-130	12		50
4,6-Dinitro-o-cresol	86		74		10-130	15		50
Pentachlorophenol	84		72		17-109	15		50
Phenol	**95**	Q	78		26-90	20		50
2-Methylphenol	93		76		30-130.	20		50
3-Methylphenol/4-Methylphenol	97		80		30-130	19		50
2,4,5-Trichlorophenol	88		76		30-130	15		50
Benzoic Acid	19		17		10-110	11		50
Benzyl Alcohol	97		79		40-140	20		50
Carbazole	82		72		54-128	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1562211-2 WG1562211-3								
1,4-Dioxane	55		47		40-140	16		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		73		25-120
Phenol-d6	95		79		10-120
Nitrobenzene-d5	95		76		23-120
2-Fluorobiphenyl	81		70		30-120
2,4,6-Tribromophenol	86		74		10-136
4-Terphenyl-d14	86		76		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1562594-2								
Perfluorobutanoic Acid (PFBA)	97		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	94		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	92		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	90		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	97		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	81		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	99		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1562594-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**4**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1562594-2					
Perfluorooctanesulfonamide (FOSA)	112		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1561438-3 WG1561438-4 QC Sample: L2156450-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	4.88G	34.9	45.1	115		46.3	115		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	3.86	34.9	39.5	102		40.2	101		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	2.59F	31	34.4	103		35.1	102		65-157	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	32.7	34.7	106		33.8	100		37-219	3		30
Perfluorohexanoic Acid (PFHxA)	3.20	34.9	39.5	104		39.8	102		69-168	1		30
Perfluoropentanesulfonic Acid (PFPeS)	0.624JF	32.8	35.2	105		37.4	109		52-156	6		30
Perfluoroheptanoic Acid (PFHpA)	4.08	34.9	39.6	102		40.9	102		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	2.90	31.9	35.4	102		37.3	105		69-177	5		30
Perfluorooctanoic Acid (PFOA)	40.2	34.9	75.1	100		77.3	103		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.38	33.2	40.6	112		39.0	104		49-187	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	33.2	34.4	103		33.8	99		61-179	2		30
Perfluorononanoic Acid (PFNA)	0.404J	34.9	35.4	100		36.8	101		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	3.16	32.4	38.7	110		36.9	101		52-151	5		30
Perfluorodecanoic Acid (PFDA)	ND	34.9	34.6	99		34.3	95		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	33.5	34.5	103		33.6	97		56-173	3		30
Perfluorononanesulfonic Acid (PFNS)	ND	33.6	33.6	100		33.0	95		48-150	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	34.9	35.2	101		38.6	107		60-166	9		30
Perfluoroundecanoic Acid (PFUnA)	ND	34.9	36.1	103		35.7	99		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	33.6	35.0	104		33.6	97		38-156	4		30
Perfluorooctanesulfonamide (FOSA)	ND	34.9	34.5	99		37.2	103		46-170	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	34.9	34.0	97		40.5	113		45-170	17		30
Perfluorododecanoic Acid (PFDoA)	ND	34.9	36.4	104		38.2	106		67-153	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1561438-3 WG1561438-4 QC Sample: L2156450-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	34.9	38.2	109		41.6	116		48-158	9		30
Perfluorotetradecanoic Acid (PFTA)	ND	34.9	37.9	109		39.1	109		59-182	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**167**	Q	**174**	Q	10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**209**	Q	**236**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**225**	Q	**249**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		67		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		69		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		86		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		91		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		95		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		71		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		93		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		95		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		23		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		98		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		93		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		95		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		95		70-131

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562594-3 WG1562594-4 QC Sample: L2158170-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.060J	5.13	4.98	96		5.28	97		71-135	6		30
Perfluoropentanoic Acid (PFPeA)	0.312J	5.13	5.09	93		5.32	93		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.56	4.24	93		4.65	97		72-128	9		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.8	4.53	94		4.97	99		62-145	9		30
Perfluorohexanoic Acid (PFHxA)	0.145J	5.13	5.11	97		5.30	96		70-132	4		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.82	3.80	79		4.76	94		73-123	22		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.13	4.74	92		5.03	93		71-131	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.69	4.07	87		5.09	103		67-130	22		30
Perfluorooctanoic Acid (PFOA)	ND	5.13	4.80	94		5.02	93		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.217J	4.88	4.92	96		5.25	98		64-140	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.88	4.53	93		4.87	95		70-132	7		30
Perfluorononanoic Acid (PFNA)	ND	5.13	4.66	91		4.78	89		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	0.464	4.76	5.09	97		5.32	97		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	5.13	4.77	93		4.96	92		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.93	4.47	91		5.30	102		65-137	17		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.94	4.50	91		4.69	90		69-125	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.13	4.84	94		4.34	81		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.13	4.86	95		5.14	95		64-136	6		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.95	5.13	104		5.08	98		59-134	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.13	4.42	86		4.50	84		61-139	2		30
Perfluorododecanoic Acid (PFDoA)	ND	5.13	5.28	103		5.25	97		69-135	1		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.13	5.58	109		6.01	111		66-139	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562594-3 WG1562594-4 QC Sample: L2158170-03 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.13	4.93	96		5.28	98		69-133	7		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		101		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	80		85		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		91		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		98		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		88		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		111		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		105		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		99		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		93		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		103		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		109		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		102		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		103		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		102		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562594-3 WG1562594-4 QC Sample: L2158170-03 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.13	5.50	107		5.71	106		67-137	4		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64		61		10-117

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/23/21 11:50
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/22/21 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 10/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/23/21 11:59
Analyst: JAW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/22/21 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 10/23/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.2	2.95	1	A
Aroclor 1221	ND		ug/kg	33.2	3.32	1	A
Aroclor 1232	ND		ug/kg	33.2	7.03	1	A
Aroclor 1242	ND		ug/kg	33.2	4.47	1	A
Aroclor 1248	ND		ug/kg	33.2	4.98	1	A
Aroclor 1254	14.1	J	ug/kg	33.2	3.63	1	B
Aroclor 1260	17.9	J	ug/kg	33.2	6.13	1	A
Aroclor 1262	ND		ug/kg	33.2	4.21	1	A
Aroclor 1268	ND		ug/kg	33.2	3.44	1	A
PCBs, Total	32.0	J	ug/kg	33.2	2.95	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/22/21 22:12
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 10/21/21 11:09
Cleanup Method: EPA 3665A
Cleanup Date: 10/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/22/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1561477-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.90	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.88	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.13	A
Aroclor 1268	ND		ug/kg	32.6	3.37	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1561477-2 WG1561477-3									
Aroclor 1016	63		63		40-140	0		50	A
Aroclor 1260	63		68		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		61		30-150	A
Decachlorobiphenyl	59		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		64		30-150	B
Decachlorobiphenyl	58		63		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/23/21 11:14
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	5.20		ug/kg	1.73	0.400	1	A
4,4'-DDD	12.3		ug/kg	1.73	0.617	1	B
4,4'-DDT	10.8		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01 Date Collected: 10/20/21 07:50

Client ID: EP15_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	144		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/23/21 12:36
Analyst: AR
Percent Solids: 91%
Methylation Date: 10/22/21 22:04

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 13:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.61	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	66		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/23/21 11:25
Analyst: JAW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.817	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.919	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.714	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.378	1	A
4,4'-DDD	5.17		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.953	1	A
Toxaphene	ND		ug/kg	30.6	8.58	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.6	5.41	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02 Date Collected: 10/20/21 08:00

Client ID: EP21_2 Date Received: 10/20/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	**215**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/23/21 12:18
Analyst: AR
Percent Solids: 96%
Methylation Date: 10/22/21 22:04

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 13:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.8	1	A
2,4,5-T	ND		ug/kg	172	5.33	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	69		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/23/21 11:23
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 13:19

Methylation Date: 10/22/21 22:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1561561-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.03	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	55		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/23/21 10:41
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1562208-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.640	0.286	A
Alpha-BHC	ND		ug/kg	0.640	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.582	A
Heptachlor	ND		ug/kg	0.768	0.344	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.864	A
Endrin	ND		ug/kg	0.640	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.672	A
Endrin ketone	ND		ug/kg	1.54	0.395	A
Dieldrin	ND		ug/kg	0.960	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.355	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.513	A
Endosulfan sulfate	ND		ug/kg	0.640	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.896	A
Toxaphene	ND		ug/kg	28.8	8.06	A
cis-Chlordane	ND		ug/kg	1.92	0.535	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.8	5.09	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/23/21 10:41
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/23/21 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 10/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1562208-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1561561-2 WG1561561-3									
2,4-D	70		66		30-150	6		30	A
2,4,5-T	69		66		30-150	4		30	A
2,4,5-TP (Silvex)	67		64		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	69		67		30-150	A
DCAA	66		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1562208-2 WG1562208-3									
Delta-BHC	92		78		30-150	16		30	A
Lindane	96		82		30-150	16		30	A
Alpha-BHC	96		84		30-150	13		30	A
Beta-BHC	86		74		30-150	15		30	A
Heptachlor	97		90		30-150	7		30	A
Aldrin	95		84		30-150	12		30	A
Heptachlor epoxide	92		69		30-150	29		30	A
Endrin	103		94		30-150	9		30	A
Endrin aldehyde	83		65		30-150	24		30	A
Endrin ketone	101		81		30-150	22		30	A
Dieldrin	102		90		30-150	13		30	A
4,4'-DDE	96		87		30-150	10		30	A
4,4'-DDD	100		91		30-150	9		30	A
4,4'-DDT	103		94		30-150	9		30	A
Endosulfan I	92		79		30-150	15		30	A
Endosulfan II	98		86		30-150	13		30	A
Endosulfan sulfate	86		69		30-150	22		30	A
Methoxychlor	93		80		30-150	15		30	A
cis-Chlordane	80		71		30-150	12		30	A
trans-Chlordane	98		86		30-150	13		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1562208-2 WG1562208-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		84		30-150	A
Decachlorobiphenyl	116		115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		86		30-150	B
Decachlorobiphenyl	118		114		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2157422
Project Number: 170229024
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY
Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4080		mg/kg	8.36	2.26	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Antimony, Total	0.426	J	mg/kg	4.18	0.318	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Arsenic, Total	10.6		mg/kg	0.836	0.174	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Barium, Total	111		mg/kg	0.836	0.146	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Beryllium, Total	0.895		mg/kg	0.418	0.028	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Cadmium, Total	0.644	J	mg/kg	0.836	0.082	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Calcium, Total	26800		mg/kg	8.36	2.93	2	10/22/21 21:40	10/24/21 16:59	EPA 3050B	1,6010D	DL
Chromium, Total	22.2		mg/kg	0.836	0.080	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Cobalt, Total	8.62		mg/kg	1.67	0.139	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Copper, Total	114		mg/kg	0.836	0.216	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Iron, Total	14800		mg/kg	4.18	0.755	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Lead, Total	414		mg/kg	4.18	0.224	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Magnesium, Total	11900		mg/kg	8.36	1.29	2	10/22/21 21:40	10/24/21 16:59	EPA 3050B	1,6010D	DL
Manganese, Total	172		mg/kg	0.836	0.133	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Mercury, Total	0.232		mg/kg	0.070	0.045	1	10/22/21 22:00	10/23/21 11:02	EPA 7471B	1,7471B	NB
Nickel, Total	19.2		mg/kg	2.09	0.202	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Potassium, Total	601		mg/kg	209	12.0	2	10/22/21 21:40	10/24/21 16:59	EPA 3050B	1,6010D	DL
Selenium, Total	0.979	J	mg/kg	1.67	0.216	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.836	0.237	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Sodium, Total	258		mg/kg	167	2.63	2	10/22/21 21:40	10/24/21 16:59	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.67	0.263	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Vanadium, Total	17.5		mg/kg	0.836	0.170	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
Zinc, Total	519		mg/kg	4.18	0.245	2	10/22/21 21:40	10/24/21 14:42	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22		mg/kg	0.88	0.88	1		10/24/21 14:42	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2157422
Project Number: 170229024
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY
Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4150		mg/kg	8.14	2.20	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.07	0.309	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Arsenic, Total	11.7		mg/kg	0.814	0.169	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Barium, Total	139		mg/kg	0.814	0.142	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Beryllium, Total	0.456		mg/kg	0.407	0.027	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Cadmium, Total	0.765	J	mg/kg	0.814	0.080	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Calcium, Total	36200		mg/kg	8.14	2.85	2	10/22/21 21:40	10/24/21 17:04	EPA 3050B	1,6010D	DL
Chromium, Total	29.8		mg/kg	0.814	0.078	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Cobalt, Total	6.92		mg/kg	1.63	0.135	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Copper, Total	82.3		mg/kg	0.814	0.210	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Iron, Total	15800		mg/kg	4.07	0.735	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Lead, Total	266		mg/kg	4.07	0.218	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Magnesium, Total	15700		mg/kg	8.14	1.25	2	10/22/21 21:40	10/24/21 17:04	EPA 3050B	1,6010D	DL
Manganese, Total	215		mg/kg	0.814	0.129	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Mercury, Total	0.482		mg/kg	0.070	0.046	1	10/22/21 22:00	10/23/21 11:05	EPA 7471B	1,7471B	NB
Nickel, Total	13.3		mg/kg	2.03	0.197	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Potassium, Total	680		mg/kg	203	11.7	2	10/22/21 21:40	10/24/21 17:04	EPA 3050B	1,6010D	DL
Selenium, Total	1.17	J	mg/kg	1.63	0.210	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.814	0.230	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Sodium, Total	277		mg/kg	163	2.56	2	10/22/21 21:40	10/24/21 17:04	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.63	0.256	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Vanadium, Total	18.8		mg/kg	0.814	0.165	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
Zinc, Total	278		mg/kg	4.07	0.238	2	10/22/21 21:40	10/24/21 14:47	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	30		mg/kg	0.83	0.83	1		10/24/21 14:47	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2157422

Project Number: 170229024 **Report Date:** 10/29/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1562029-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/22/21 21:40	10/24/21 16:48	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Iron, Total	ND		mg/kg	2.00	0.361	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/22/21 21:40	10/24/21 16:48	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	10/22/21 21:40	10/24/21 16:48	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Sodium, Total	2.52	J	mg/kg	80.0	1.26	1	10/22/21 21:40	10/24/21 16:48	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/22/21 21:40	10/24/21 14:31	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1562031-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/22/21 22:00	10/23/21 10:35	1,7471B	NB

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1562029-2 SRM Lot Number: D109-540								
Aluminum, Total	61		-		50-150	-		
Antimony, Total	131		-		19-250	-		
Arsenic, Total	100		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	103		-		75-125	-		
Calcium, Total	94		-		73-128	-		
Chromium, Total	99		-		70-130	-		
Cobalt, Total	102		-		75-125	-		
Copper, Total	97		-		75-125	-		
Iron, Total	79		-		35-165	-		
Lead, Total	93		-		72-128	-		
Magnesium, Total	84		-		62-138	-		
Manganese, Total	91		-		74-126	-		
Nickel, Total	100		-		70-130	-		
Potassium, Total	79		-		59-141	-		
Selenium, Total	102		-		68-132	-		
Silver, Total	99		-		68-131	-		
Sodium, Total	101		-		35-165	-		
Thallium, Total	101		-		68-131	-		
Vanadium, Total	91		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1562029-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1562031-2 SRM Lot Number: D109-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562029-3 QC Sample: L2157541-01 Client ID: MS Sample												
Aluminum, Total	337	169	577	**142**	Q	-	-		75-125	-		20
Antimony, Total	ND	42.2	45.6	108		-	-		75-125	-		20
Arsenic, Total	1.32	10.1	13.5	120		-	-		75-125	-		20
Barium, Total	3.62	169	178	103		-	-		75-125	-		20
Beryllium, Total	0.033J	4.22	3.68	87		-	-		75-125	-		20
Cadmium, Total	0.079J	4.48	3.88	87		-	-		75-125	-		20
Calcium, Total	152000	845	155000	**355**	Q	-	-		75-125	-		20
Chromium, Total	2.28	16.9	17.3	89		-	-		75-125	-		20
Cobalt, Total	0.694J	42.2	34.6	82		-	-		75-125	-		20
Copper, Total	2.19	21.1	25.5	110		-	-		75-125	-		20
Iron, Total	1400	84.5	1270	**0**	Q	-	-		75-125	-		20
Lead, Total	2.42	44.8	38.5	80		-	-		75-125	-		20
Magnesium, Total	81700	845	82600	106		-	-		75-125	-		20
Manganese, Total	54.6	42.2	90.0	84		-	-		75-125	-		20
Nickel, Total	3.20	42.2	36.4	78		-	-		75-125	-		20
Potassium, Total	336	845	1350	120		-	-		75-125	-		20
Selenium, Total	1.18	10.1	12.5	112		-	-		75-125	-		20
Silver, Total	ND	25.4	31.6	125		-	-		75-125	-		20
Sodium, Total	554	845	1530	116		-	-		75-125	-		20
Thallium, Total	ND	10.1	6.64	**65**	Q	-	-		75-125	-		20
Vanadium, Total	2.31	42.2	41.8	93		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562029-3 QC Sample: L2157541-01 Client ID: MS Sample									
Zinc, Total	9.96	42.2	42.7	77	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562031-3 QC Sample: L2157541-01 Client ID: MS Sample									
Mercury, Total	ND	0.145	0.146	101	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562029-4 QC Sample: L2157541-01 Client ID: DUP Sample						
Arsenic, Total	1.32	1.00	mg/kg	**28**	Q	20
Barium, Total	3.62	2.75	mg/kg	**27**	Q	20
Cadmium, Total	0.079J	0.083J	mg/kg	NC		20
Chromium, Total	2.28	2.28	mg/kg	0		20
Lead, Total	2.42	1.98J	mg/kg	NC		20
Nickel, Total	3.20	2.52	mg/kg	**24**	Q	20
Selenium, Total	1.18	1.15	mg/kg	3		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1562031-4 QC Sample: L2157541-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-01
Client ID: EP15_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/20/21 07:50
Date Received: 10/20/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	10/21/21 09:07	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.875	0.175	1	10/21/21 13:00	10/23/21 11:50	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2157422-02
Client ID: EP21_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/20/21 08:00
Date Received: 10/20/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	10/21/21 09:07	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.832	0.166	1	10/21/21 13:00	10/23/21 11:50	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1561485-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/21/21 13:00	10/23/21 11:50	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1561485-2								
Chromium, Hexavalent	83		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1561485-4 QC Sample: L2157422-02 Client ID: EP21_2												
Chromium, Hexavalent	ND	873	692	79		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2157422

Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1561303-1 QC Sample: L2157462-02 Client ID: DUP Sample						
Solids, Total	80.8	78.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1561485-6 QC Sample: L2157422-02 Client ID: EP21_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2157422-01A	Vial MeOH preserved	A	NA		5.4	Y	Absent		NYTCL-8260HLW(14)
L2157422-01B	Vial water preserved	A	NA		5.4	Y	Absent	21-OCT-21 04:28	NYTCL-8260HLW(14)
L2157422-01C	Vial water preserved	A	NA		5.4	Y	Absent	21-OCT-21 04:28	NYTCL-8260HLW(14)
L2157422-01D	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2157422-01E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2157422-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2157422-01G	Glass 120ml/4oz unpreserved	A	NA		5.4	Y	Absent		HEXCR-7196(30)
L2157422-01H	Plastic 8oz unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2157422-01I	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2157422-02A	Vial MeOH preserved	A	NA		5.4	Y	Absent		NYTCL-8260HLW(14)
L2157422-02B	Vial water preserved	A	NA		5.4	Y	Absent	21-OCT-21 04:28	NYTCL-8260HLW(14)
L2157422-02C	Vial water preserved	A	NA		5.4	Y	Absent	21-OCT-21 04:28	NYTCL-8260HLW(14)
L2157422-02D	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2157422-02E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2157422-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2157422-02G	Glass 120ml/4oz unpreserved	A	NA		5.4	Y	Absent		HEXCR-7196(30)
L2157422-02H	Plastic 8oz unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2157422
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2157422-02I	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2157422-03A	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2157422
Report Date: 10/29/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2157422
Project Number:	170229024	**Report Date:**	10/29/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/21/21

ALPHA Job #: L2157422

Client Information
Client: Langan BPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: Wkim@Langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides / Herbicides	TAL Metals / Hex Cr	PFAS	1,4-dioxane	Sample Specific Comments	Total Bottle
57422-01	EP15-2	10/20/21	0750	Soil	YMD	x	x	x	x	x	x	x		
02	EP21-2	↓	0800	Soil	↓	x	x	x	x	x	x	x		
03	PFB16-102021	↓	1010	AQ	↓						x			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10/20/2021 1415		10/20/21 1415
	10/20/21 17:58		10/20 1930
	10/20		10/20/21 22:30
AAL	10/21/21 01:15		10/21/21 01:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2158256
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	11/04/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2158256-01	EP43_2	SOIL	BROOKLYN, NY	10/25/21 08:50	10/25/21
L2158256-02	EP44_2	SOIL	BROOKLYN, NY	10/25/21 09:30	10/25/21
L2158256-03	PFB17_102521	WATER	BROOKLYN, NY	10/25/21 12:00	10/25/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2158256
Project Number:	170229024	**Report Date:**	11/04/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2158256
Project Number:	170229024	**Report Date:**	11/04/21

Case Narrative (continued)

Report Submission

November 04, 2021: This final report includes the results of all requested analyses.

October 29, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2158256-02D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

The Method Blank, associated with L2158256-03, has concentrations above the reporting limits for 6:2FTS; however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analysis are reported with a "B" qualifier.

Total Metals

L2158256-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 11/04/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY
Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/29/21 02:37
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.75	0.29	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	ND		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.81	1
Ethylbenzene	0.55	J	ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.75	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	13	J	ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.97	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.26	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	93		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/29/21 03:29
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 Date Collected: 10/25/21 09:30

Client ID: EP44_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.22	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	1.0	J	ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 Date Collected: 10/25/21 09:30

Client ID: EP44_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
1,4-Dioxane	ND		ug/kg	90	40.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.22	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/21 19:17
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1564773-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.21	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/21 19:17
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1564773-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/21 19:17
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1564773-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	0.18	J	ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1564773-3 WG1564773-4								
Methylene chloride	78		79		70-130	1		30
1,1-Dichloroethane	97		98		70-130	1		30
Chloroform	80		81		70-130	1		30
Carbon tetrachloride	86		86		70-130	0		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	91		92		70-130	1		30
Tetrachloroethene	94		94		70-130	0		30
Chlorobenzene	88		88		70-130	0		30
Trichlorofluoromethane	74		74		70-139	0		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	84		85		70-130	1		30
Bromodichloromethane	83		84		70-130	1		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	91		91		70-130	0		30
1,1-Dichloropropene	91		90		70-130	1		30
Bromoform	102		101		70-130	1		30
1,1,2,2-Tetrachloroethane	93		93		70-130	0		30
Benzene	84		84		70-130	0		30
Toluene	86		87		70-130	1		30
Ethylbenzene	87		87		70-130	0		30
Chloromethane	104		105		52-130	1		30
Bromomethane	60		60		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1564773-3 WG1564773-4								
Vinyl chloride	92		83		67-130	10		30
Chloroethane	67		68		50-151	1		30
1,1-Dichloroethene	86		86		65-135	0		30
trans-1,2-Dichloroethene	85		86		70-130	1		30
Trichloroethene	85		84		70-130	1		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	97		95		70-130	2		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	80		80		66-130	0		30
p/m-Xylene	91		90		70-130	1		30
o-Xylene	89		90		70-130	1		30
cis-1,2-Dichloroethene	85		86		70-130	1		30
Dibromomethane	88		87		70-130	1		30
Styrene	90		89		70-130	1		30
Dichlorodifluoromethane	86		86		30-146	0		30
Acetone	95		95		54-140	0		30
Carbon disulfide	70		71		59-130	1		30
2-Butanone	83		79		70-130	5		30
Vinyl acetate	98		100		70-130	2		30
4-Methyl-2-pentanone	116		114		70-130	2		30
1,2,3-Trichloropropane	91		92		68-130	1		30
2-Hexanone	99		99		70-130	0		30
Bromochloromethane	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1564773-3 WG1564773-4								
2,2-Dichloropropane	82		82		70-130	0		30
1,2-Dibromoethane	89		89		70-130	0		30
1,3-Dichloropropane	92		92		69-130	0		30
1,1,1,2-Tetrachloroethane	92		93		70-130	1		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	93		93		70-130	0		30
sec-Butylbenzene	92		92		70-130	0		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	90		90		70-130	0		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	90		88		68-130	2		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	91		92		70-130	1		30
p-Isopropyltoluene	96		95		70-130	1		30
Naphthalene	101		97		70-130	4		30
Acrylonitrile	98		100		70-130	2		30
n-Propylbenzene	92		92		70-130	0		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	105		103		70-130	2		30
1,3,5-Trimethylbenzene	92		92		70-130	0		30
1,2,4-Trimethylbenzene	94		92		70-130	2		30
1,4-Dioxane	88		94		65-136	7		30
p-Diethylbenzene	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1564773-3 WG1564773-4								
p-Ethyltoluene	95		93		70-130	2		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Ethyl ether	83		84		67-130	1		30
trans-1,4-Dichloro-2-butene	101		101		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	94		93		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/27/21 07:13
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	580		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	9100	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	390		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	4000		ug/kg	110	20.	1
Benzo(a)pyrene	4300		ug/kg	140	44.	1
Benzo(b)fluoranthene	5600		ug/kg	110	30.	1
Benzo(k)fluoranthene	1400		ug/kg	110	29.	1
Chrysene	4000		ug/kg	110	19.	1
Acenaphthylene	300		ug/kg	140	28.	1
Anthracene	1400		ug/kg	110	35.	1
Benzo(ghi)perylene	2800		ug/kg	140	21.	1
Fluorene	500		ug/kg	180	18.	1
Phenanthrene	6100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	530		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2700		ug/kg	140	25.	1
Pyrene	8400	E	ug/kg	110	18.	1
Biphenyl	61	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	380		ug/kg	180	17.	1
2-Methylnaphthalene	180	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	31	J	ug/kg	260	28.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	650		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	54		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/02/21 08:05
Analyst: HT
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 11/01/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.030	J	ng/g	0.495	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.053	J	ng/g	0.495	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.248	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.053	JF	ng/g	0.495	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.248	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.248	0.060	1
Perfluorooctanoic Acid (PFOA)	0.241	J	ng/g	0.248	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.495	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.495	0.135	1
Perfluorononanoic Acid (PFNA)	0.182	J	ng/g	0.248	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	1.57		ng/g	0.248	0.129	1
Perfluorodecanoic Acid (PFDA)	0.100	J	ng/g	0.248	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.495	0.284	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.495	0.200	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.495	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.495	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.495	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.495	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.495	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.495	0.202	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.495	0.054	1
PFOA/PFOS, Total	1.81	J	ng/g	0.248	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 D
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/28/21 20:05
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	540	100	5
Pyrene	12000		ug/kg	540	89.	5

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/02/21 08:22
Analyst: HT
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 11/01/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.055	J	ng/g	0.490	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.069	J	ng/g	0.490	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.245	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.058	J	ng/g	0.490	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.245	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.245	0.059	1
Perfluorooctanoic Acid (PFOA)	0.241	J	ng/g	0.245	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.490	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.490	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.245	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.405		ng/g	0.245	0.127	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.245	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.490	0.281	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.490	0.197	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.490	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.490	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.490	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.490	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.490	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.490	0.200	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.490	0.053	1
PFOA/PFOS, Total	0.646	J	ng/g	0.245	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 Date Collected: 10/25/21 09:30

Client ID: EP44_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 D
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/28/21 20:27
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	6200		ug/kg	2900	380	20
1,2,4-Trichlorobenzene	ND		ug/kg	3600	420	20
Hexachlorobenzene	ND		ug/kg	2200	410	20
Bis(2-chloroethyl)ether	ND		ug/kg	3300	490	20
2-Chloronaphthalene	ND		ug/kg	3600	360	20
1,2-Dichlorobenzene	ND		ug/kg	3600	650	20
1,3-Dichlorobenzene	ND		ug/kg	3600	630	20
1,4-Dichlorobenzene	ND		ug/kg	3600	640	20
3,3'-Dichlorobenzidine	ND		ug/kg	3600	970	20
2,4-Dinitrotoluene	ND		ug/kg	3600	730	20
2,6-Dinitrotoluene	ND		ug/kg	3600	620	20
Fluoranthene	100000		ug/kg	2200	420	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3600	390	20
4-Bromophenyl phenyl ether	ND		ug/kg	3600	560	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4400	620	20
Bis(2-chloroethoxy)methane	ND		ug/kg	3900	360	20
Hexachlorobutadiene	ND		ug/kg	3600	530	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	3300	20
Hexachloroethane	ND		ug/kg	2900	590	20
Isophorone	ND		ug/kg	3300	470	20
Naphthalene	4800		ug/kg	3600	440	20
Nitrobenzene	ND		ug/kg	3300	540	20
NDPA/DPA	ND		ug/kg	2900	410	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3600	560	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	3600	1300	20
Butyl benzyl phthalate	ND		ug/kg	3600	920	20
Di-n-butylphthalate	ND		ug/kg	3600	690	20
Di-n-octylphthalate	ND		ug/kg	3600	1200	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 D Date Collected: 10/25/21 09:30

Client ID: EP44_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	3600	340	20
Dimethyl phthalate	ND		ug/kg	3600	760	20
Benzo(a)anthracene	41000		ug/kg	2200	410	20
Benzo(a)pyrene	39000		ug/kg	2900	890	20
Benzo(b)fluoranthene	51000		ug/kg	2200	610	20
Benzo(k)fluoranthene	13000		ug/kg	2200	580	20
Chrysene	37000		ug/kg	2200	380	20
Acenaphthylene	9600		ug/kg	2900	560	20
Anthracene	25000		ug/kg	2200	710	20
Benzo(ghi)perylene	22000		ug/kg	2900	430	20
Fluorene	15000		ug/kg	3600	350	20
Phenanthrene	100000		ug/kg	2200	440	20
Dibenzo(a,h)anthracene	6000		ug/kg	2200	420	20
Indeno(1,2,3-cd)pyrene	24000		ug/kg	2900	510	20
Pyrene	81000		ug/kg	2200	360	20
Biphenyl	1400	J	ug/kg	8300	840	20
4-Chloroaniline	ND		ug/kg	3600	660	20
2-Nitroaniline	ND		ug/kg	3600	700	20
3-Nitroaniline	ND		ug/kg	3600	690	20
4-Nitroaniline	ND		ug/kg	3600	1500	20
Dibenzofuran	9700		ug/kg	3600	340	20
2-Methylnaphthalene	4100	J	ug/kg	4400	440	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3600	380	20
Acetophenone	ND		ug/kg	3600	450	20
2,4,6-Trichlorophenol	ND		ug/kg	2200	690	20
p-Chloro-m-cresol	ND		ug/kg	3600	540	20
2-Chlorophenol	ND		ug/kg	3600	430	20
2,4-Dichlorophenol	ND		ug/kg	3300	590	20
2,4-Dimethylphenol	ND		ug/kg	3600	1200	20
2-Nitrophenol	ND		ug/kg	7900	1400	20
4-Nitrophenol	ND		ug/kg	5100	1500	20
2,4-Dinitrophenol	ND		ug/kg	18000	1700	20
4,6-Dinitro-o-cresol	ND		ug/kg	9500	1800	20
Pentachlorophenol	ND		ug/kg	2900	800	20
Phenol	ND		ug/kg	3600	550	20
2-Methylphenol	ND		ug/kg	3600	560	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5200	570	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02 D Date Collected: 10/25/21 09:30

Client ID: EP44_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3600	700	20
Benzoic Acid	ND		ug/kg	12000	3700	20
Benzyl Alcohol	ND		ug/kg	3600	1100	20
Carbazole	8300		ug/kg	3600	350	20
1,4-Dioxane	ND		ug/kg	550	170	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-03
Client ID: PFB17_102521
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 12:00
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/29/21 14:34
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/28/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.368	1
Perfluoropentanoic Acid (PFPeA)	0.570	J	ng/l	1.80	0.357	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.215	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.339	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	11.3	B	ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.620	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.281	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.454	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.584	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.884	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.523	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.725	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.335	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.213	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-03 Date Collected: 10/25/21 12:00

Client ID: PFB17_102521 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/26/21 23:16
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1563334-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/26/21 23:16
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1563334-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/26/21 23:16
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/26/21 13:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1563334-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	67		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/29/21 09:35
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/28/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1564201-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	13.7		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/29/21 09:35
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 10/28/21 09:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1564201-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	55		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/02/21 06:59
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/01/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1565503-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/02/21 06:59
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/01/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1565503-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/03/21 09:48
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 11/01/21 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1565503-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1563334-2 WG1563334-3								
Acenaphthene	64		64		31-137	0		50
1,2,4-Trichlorobenzene	60		60		38-107	0		50
Hexachlorobenzene	71		71		40-140	0		50
Bis(2-chloroethyl)ether	53		54		40-140	2		50
2-Chloronaphthalene	64		64		40-140	0		50
1,2-Dichlorobenzene	60		60		40-140	0		50
1,3-Dichlorobenzene	58		59		40-140	2		50
1,4-Dichlorobenzene	59		60		28-104	2		50
3,3'-Dichlorobenzidine	56		54		40-140	4		50
2,4-Dinitrotoluene	72		71		40-132	1		50
2,6-Dinitrotoluene	69		68		40-140	1		50
Fluoranthene	68		67		40-140	1		50
4-Chlorophenyl phenyl ether	65		65		40-140	0		50
4-Bromophenyl phenyl ether	70		69		40-140	1		50
Bis(2-chloroisopropyl)ether	48		49		40-140	2		50
Bis(2-chloroethoxy)methane	55		55		40-117	0		50
Hexachlorobutadiene	69		70		40-140	1		50
Hexachlorocyclopentadiene	55		55		40-140	0		50
Hexachloroethane	59		61		40-140	3		50
Isophorone	58		58		40-140	0		50
Naphthalene	62		62		40-140	0		50
Nitrobenzene	61		62		40-140	2		50
NDPA/DPA	66		65		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1563334-2 WG1563334-3								
n-Nitrosodi-n-propylamine	58		58		32-121	0		50
Bis(2-ethylhexyl)phthalate	63		65		40-140	3		50
Butyl benzyl phthalate	68		66		40-140	3		50
Di-n-butylphthalate	64		64		40-140	0		50
Di-n-octylphthalate	63		64		40-140	2		50
Diethyl phthalate	65		66		40-140	2		50
Dimethyl phthalate	65		65		40-140	0		50
Benzo(a)anthracene	66		66		40-140	0		50
Benzo(a)pyrene	71		70		40-140	1		50
Benzo(b)fluoranthene	73		72		40-140	1		50
Benzo(k)fluoranthene	76		74		40-140	3		50
Chrysene	66		66		40-140	0		50
Acenaphthylene	62		62		40-140	0		50
Anthracene	65		66		40-140	2		50
Benzo(ghi)perylene	75		75		40-140	0		50
Fluorene	65		65		40-140	0		50
Phenanthrene	64		63		40-140	2		50
Dibenzo(a,h)anthracene	75		75		40-140	0		50
Indeno(1,2,3-cd)pyrene	66		67		40-140	2		50
Pyrene	68		67		35-142	1		50
Biphenyl	66		65		37-127	2		50
4-Chloroaniline	62		69		40-140	11		50
2-Nitroaniline	70		68		47-134	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1563334-2 WG1563334-3								
3-Nitroaniline	59		56		26-129	5		50
4-Nitroaniline	65		63		41-125	3		50
Dibenzofuran	64		63		40-140	2		50
2-Methylnaphthalene	64		62		40-140	3		50
1,2,4,5-Tetrachlorobenzene	70		71		40-117	1		50
Acetophenone	63		64		14-144	2		50
2,4,6-Trichlorophenol	73		73		30-130	0		50
p-Chloro-m-cresol	71		71		26-103	0		50
2-Chlorophenol	63		64		25-102	2		50
2,4-Dichlorophenol	66		67		30-130	2		50
2,4-Dimethylphenol	62		63		30-130	2		50
2-Nitrophenol	66		64		30-130	3		50
4-Nitrophenol	72		71		11-114	1		50
2,4-Dinitrophenol	53		58		4-130	9		50
4,6-Dinitro-o-cresol	72		72		10-130	0		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	61		62		26-90	2		50
2-Methylphenol	61		62		30-130.	2		50
3-Methylphenol/4-Methylphenol	66		67		30-130	2		50
2,4,5-Trichlorophenol	74		72		30-130	3		50
Benzoic Acid	23		28		10-110	20		50
Benzyl Alcohol	66		67		40-140	2		50
Carbazole	67		66		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1563334-2 WG1563334-3								
1,4-Dioxane	42		42		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		63		25-120
Phenol-d6	65		65		10-120
Nitrobenzene-d5	61		63		23-120
2-Fluorobiphenyl	64		63		30-120
2,4,6-Tribromophenol	76		77		10-136
4-Terphenyl-d14	69		67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1564201-2								
Perfluorobutanoic Acid (PFBA)	102		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	128		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	92		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	86		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	93		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	70		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	111		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	80		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	98		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	100		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	99		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1564201-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	108				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	105				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	102				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1565503-2								
Perfluorobutanoic Acid (PFBA)	98		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	89		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	88		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	85		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	88		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	64		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	93		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	109		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	87		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	70		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	101		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	97		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1565503-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	102				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	119				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	104				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1565503-2								
Perfluorooctanesulfonamide (FOSA)	114		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70				10-117

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1564201-3 WG1564201-4 QC Sample: L2157249-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	9.97	36.1	46.8	102		47.0	100		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	19.5	36.1	55.6	100		56.1	99		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	19.6	32	52.0	101		51.6	97		65-157	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	33.8	36.6	108		36.8	106		37-219	1		30
Perfluorohexanoic Acid (PFHxA)	17.7	36.1	53.7	100		55.2	101		69-168	3		30
Perfluoropentanesulfonic Acid (PFPeS)	1.96	33.9	31.1	86		31.8	86		52-156	2		30
Perfluoroheptanoic Acid (PFHpA)	15.0	36.1	50.5	98		50.8	97		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	14.6	33	44.0	89		44.9	90		69-177	2		30
Perfluorooctanoic Acid (PFOA)	79.3	36.1	117	104		116	99		63-159	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.668JF	34.4	40.4	116		40.4	113		61-179	0		30
Perfluorononanoic Acid (PFNA)	0.898J	36.1	33.9	91		34.5	91		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	6.66	33.5	34.5	83		34.3	80		52-151	1		30
Perfluorodecanoic Acid (PFDA)	ND	36.1	33.2	92		34.3	93		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	34.6	36.0	104		31.2	88		56-173	14		30
Perfluorononanesulfonic Acid (PFNS)	ND	34.7	28.2	81		27.6	78		48-150	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.1	27.1	75		26.1	71		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.1	32.5	90		33.5	91		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34.8	33.1	95		32.7	92		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	ND	36.1	36.2F	100		37.0F	100		46-170	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.1	28.6	79		25.4	69		45-170	12		30
Perfluorododecanoic Acid (PFDoA)	ND	36.1	37.2	103		40.9	111		67-153	9		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.1	37.2	103		38.2	103		48-158	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1564201-3 WG1564201-4 QC Sample: L2157249-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	36.1	37.0	103		34.6	94		59-182	7		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89		77		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**175**	Q	**145**	Q	12-142
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		57		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		56		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		63		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	69		62		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	65		66		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	67		67		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		93		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		55		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		64		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	65		67		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		78		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		13		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		75		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	71		68		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		68		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		89		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-3 QC Sample: L2159128-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.09	4.94	97		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.09	4.92	97		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.52	4.44	98		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.77	4.56	96		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.09	4.99	98		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.79	4.14	86		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.09	4.85	95		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.66	4.22	91		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	5.09	4.88	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.85	4.80	99		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.85	5.22	108		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.09	4.54	89		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.73	3.94	83		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.09	4.70	92		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.89	4.68	96		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.9	4.32	88		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.09	3.74	73		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.09	4.73	93		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.91	5.11	104		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.09	3.55	70		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.09	5.49	108		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.09	5.51	108		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-3 QC Sample: L2159128-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.09	4.99	98		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	91				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**46**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**54**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**34**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**41**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**62**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**70**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-3 QC Sample: L2159128-01 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.09	5.58	110		-	-		67-137	-		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65				10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-4 QC Sample: L2159128-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-4 QC Sample: L2159128-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		89		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		99		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	82		80		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		77		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		45		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		87		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		61		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		44		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		74		54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1565503-4 QC Sample: L2159128-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	42		38		24-159

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/28/21 09:10
Analyst: AD
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 08:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.37	1	A
Aroclor 1262	ND		ug/kg	34.4	4.38	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/28/21 13:46
Analyst: CW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 08:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.36	1	A
Aroclor 1254	ND		ug/kg	35.7	3.91	1	A
Aroclor 1260	16.8	J	ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.54	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	16.8	J	ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/26/21 13:13
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/25/21 08:17
Cleanup Method: EPA 3665A
Cleanup Date: 10/26/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1562589-1						
Aroclor 1016	ND		ug/kg	32.8	2.91	A
Aroclor 1221	ND		ug/kg	32.8	3.28	A
Aroclor 1232	ND		ug/kg	32.8	6.95	A
Aroclor 1242	ND		ug/kg	32.8	4.42	A
Aroclor 1248	ND		ug/kg	32.8	4.91	A
Aroclor 1254	ND		ug/kg	32.8	3.58	A
Aroclor 1260	ND		ug/kg	32.8	6.06	A
Aroclor 1262	ND		ug/kg	32.8	4.16	A
Aroclor 1268	ND		ug/kg	32.8	3.39	A
PCBs, Total	ND		ug/kg	32.8	2.91	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1562589-2 WG1562589-3									
Aroclor 1016	72		66		40-140	9		50	A
Aroclor 1260	78		71		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		54		30-150	A
Decachlorobiphenyl	73		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		51		30-150	B
Decachlorobiphenyl	77		71		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:58
Analyst: EJL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 16:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.700	0.313	1	A
Alpha-BHC	ND		ug/kg	0.700	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.637	1	A
Heptachlor	ND		ug/kg	0.840	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.945	1	A
Endrin	ND		ug/kg	0.700	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.735	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.525	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.980	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01 Date Collected: 10/25/21 08:50

Client ID: EP43_2 Date Received: 10/25/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	**339**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/27/21 10:40
Analyst: EJL
Percent Solids: 92%
Methylation Date: 10/27/21 05:20

Extraction Method: EPA 8151A
Extraction Date: 10/26/21 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.58	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	80		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:09
Analyst: EJL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 16:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.722	0.323	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: 45 COMMERCIAL STREET
Lab Number: L2158256
Project Number: 170229024
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY
Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	**425**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/27/21 10:58
Analyst: EJL
Percent Solids: 91%
Methylation Date: 10/27/21 05:20

Extraction Method: EPA 8151A
Extraction Date: 10/26/21 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.56	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:25
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 10/26/21 16:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1563440-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.764	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.669	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.955	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.545	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	8.02	A
cis-Chlordane	ND		ug/kg	1.91	0.532	A
trans-Chlordane	ND		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.7	5.06	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:25
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 10/26/21 16:42
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1563440-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/27/21 08:50
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/26/21 17:59

Methylation Date: 10/27/21 05:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1563475-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.09	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.36	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1563440-2 WG1563440-3									
Delta-BHC	85		77		30-150	10		30	A
Lindane	93		85		30-150	9		30	A
Alpha-BHC	93		85		30-150	9		30	A
Beta-BHC	93		85		30-150	9		30	A
Heptachlor	103		93		30-150	10		30	A
Aldrin	92		83		30-150	10		30	A
Heptachlor epoxide	87		78		30-150	11		30	A
Endrin	108		93		30-150	15		30	A
Endrin aldehyde	92		75		30-150	20		30	A
Endrin ketone	114		100		30-150	13		30	A
Dieldrin	108		94		30-150	14		30	A
4,4'-DDE	96		85		30-150	12		30	A
4,4'-DDD	109		92		30-150	17		30	A
4,4'-DDT	123		99		30-150	22		30	A
Endosulfan I	95		84		30-150	12		30	A
Endosulfan II	108		90		30-150	18		30	A
Endosulfan sulfate	95		81		30-150	16		30	A
Methoxychlor	114		98		30-150	15		30	A
cis-Chlordane	83		73		30-150	13		30	A
trans-Chlordane	102		90		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1563440-2 WG1563440-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	A
Decachlorobiphenyl	123		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		78		30-150	B
Decachlorobiphenyl	138		121		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1563475-2 WG1563475-3									
2,4-D	83		81		30-150	2		30	A
2,4,5-T	86		84		30-150	2		30	A
2,4,5-TP (Silvex)	87		88		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		85		30-150	A
DCAA	85		83		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY
Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4180		mg/kg	8.30	2.24	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Antimony, Total	0.914	J	mg/kg	4.15	0.316	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Arsenic, Total	11.6		mg/kg	0.830	0.173	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Barium, Total	317		mg/kg	0.830	0.144	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Beryllium, Total	0.282	J	mg/kg	0.415	0.027	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Cadmium, Total	0.789	J	mg/kg	0.830	0.081	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Calcium, Total	12200		mg/kg	8.30	2.91	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Chromium, Total	11.8		mg/kg	0.830	0.080	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Cobalt, Total	5.23		mg/kg	1.66	0.138	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Copper, Total	44.2		mg/kg	0.830	0.214	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Iron, Total	24400		mg/kg	4.15	0.750	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Lead, Total	206		mg/kg	4.15	0.222	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Magnesium, Total	3240		mg/kg	8.30	1.28	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Manganese, Total	300		mg/kg	0.830	0.132	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Mercury, Total	0.829		mg/kg	0.075	0.049	1	10/26/21 23:29	10/27/21 10:17	EPA 7471B	1,7471B	AC
Nickel, Total	11.2		mg/kg	2.08	0.201	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Potassium, Total	589		mg/kg	208	12.0	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Selenium, Total	0.698	J	mg/kg	1.66	0.214	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.830	0.235	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Sodium, Total	227		mg/kg	166	2.62	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.66	0.262	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Vanadium, Total	21.3		mg/kg	0.830	0.168	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
Zinc, Total	215		mg/kg	4.15	0.243	2	10/26/21 22:25	10/27/21 13:49	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.87	0.87	1		10/28/21 13:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY
Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4220		mg/kg	8.62	2.33	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Antimony, Total	0.431	J	mg/kg	4.31	0.328	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Arsenic, Total	11.7		mg/kg	0.862	0.179	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Barium, Total	241		mg/kg	0.862	0.150	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Beryllium, Total	0.388	J	mg/kg	0.431	0.028	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Cadmium, Total	2.47		mg/kg	0.862	0.085	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Calcium, Total	18200		mg/kg	8.62	3.02	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Chromium, Total	17.7		mg/kg	0.862	0.083	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Cobalt, Total	9.34		mg/kg	1.72	0.143	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Copper, Total	87.2		mg/kg	0.862	0.222	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Iron, Total	10700		mg/kg	4.31	0.778	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Lead, Total	816		mg/kg	4.31	0.231	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Magnesium, Total	4180		mg/kg	8.62	1.33	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Manganese, Total	321		mg/kg	0.862	0.137	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.085	0.056	1	10/26/21 23:29	10/27/21 10:20	EPA 7471B	1,7471B	AC
Nickel, Total	16.2		mg/kg	2.16	0.209	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Potassium, Total	433		mg/kg	216	12.4	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Selenium, Total	0.845	J	mg/kg	1.72	0.222	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.862	0.244	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Sodium, Total	360		mg/kg	172	2.72	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.72	0.272	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Vanadium, Total	12.8		mg/kg	0.862	0.175	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
Zinc, Total	1500		mg/kg	4.31	0.252	2	10/26/21 22:25	10/27/21 13:54	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18		mg/kg	0.88	0.88	1		10/28/21 13:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2158256

Project Number: 170229024 **Report Date:** 11/04/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1563319-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Iron, Total	ND		mg/kg	2.00	0.361	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Manganese, Total	0.136	J	mg/kg	0.400	0.064	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Sodium, Total	11.9	J	mg/kg	80.0	1.26	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/26/21 22:25	10/27/21 12:17	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1563322-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/26/21 23:29	10/27/21 09:31	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1563319-2 SRM Lot Number: D109-540								
Aluminum, Total	68		-		50-150	-		
Antimony, Total	117		-		19-250	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	88		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	97		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	97		-		75-125	-		
Iron, Total	98		-		35-165	-		
Lead, Total	100		-		72-128	-		
Magnesium, Total	85		-		62-138	-		
Manganese, Total	92		-		74-126	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	82		-		59-141	-		
Selenium, Total	102		-		68-132	-		
Silver, Total	102		-		68-131	-		
Sodium, Total	93		-		35-165	-		
Thallium, Total	97		-		68-131	-		
Vanadium, Total	100		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1563319-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1563322-2 SRM Lot Number: D109-540					
Mercury, Total	101	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1563319-3 WG1563319-4 QC Sample: L2158275-05 Client ID: MS Sample												
Aluminum, Total	5500	225	5370	**0**	Q	6390	**391**	Q	75-125	17		20
Antimony, Total	ND	56.2	46.7	83		46.2	81		75-125	1		20
Arsenic, Total	5.86	13.5	19.4	100		19.2	98		75-125	1		20
Barium, Total	167	225	354	83		402	103		75-125	13		20
Beryllium, Total	0.272J	5.62	5.18	92		5.34	94		75-125	3		20
Cadmium, Total	0.545J	5.96	5.69	95		5.90	98		75-125	4		20
Calcium, Total	13200	1120	10900	**0**	Q	15800	**229**	Q	75-125	**37**	Q	20
Chromium, Total	17.0	22.5	35.9	84		41.2	106		75-125	14		20
Cobalt, Total	6.59	56.2	52.0	81		53.2	82		75-125	2		20
Copper, Total	71.4	28.1	80.5	**32**	Q	101	104		75-125	**23**	Q	20
Iron, Total	14200	112	12200	**0**	Q	14600	**352**	Q	75-125	18		20
Lead, Total	254	59.6	301	79		412	**262**	Q	75-125	**31**	Q	20
Magnesium, Total	4160	1120	4020	**0**	Q	4570	**36**	Q	75-125	13		20
Manganese, Total	196	56.2	213	**30**	Q	260	112		75-125	20		20
Nickel, Total	13.7	56.2	58.9	80		60.7	83		75-125	3		20
Potassium, Total	1490	1120	2350	76		2950	**128**	Q	75-125	**23**	Q	20
Selenium, Total	1.46J	13.5	13.5	100		13.7	100		75-125	1		20
Silver, Total	0.447J	33.7	36.1	107		37.4	110		75-125	4		20
Sodium, Total	295	1120	1350	94		1470	103		75-125	9		20
Thallium, Total	ND	13.5	10.9	81		10.9	80		75-125	0		20
Vanadium, Total	25.0	56.2	79.7	97		81.8	100		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1563319-3 WG1563319-4 QC Sample: L2158275-05 Client ID: MS Sample												
Zinc, Total	228	56.2	252	**43**	Q	258	**53**	Q	75-125	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1563322-3 WG1563322-4 QC Sample: L2158275-05 Client ID: MS Sample												
Mercury, Total	1.06	0.228	2.23	**512**	Q	0.899	**0**	Q	80-120	**85**	Q	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1563319-6 QC Sample: L2158275-05 Client ID: DUP Sample						
Aluminum, Total	5500	2900	mg/kg	**47**	Q	20
Barium, Total	167	87.6	mg/kg	**48**	Q	20
Calcium, Total	13200	7080	mg/kg	**46**	Q	20
Copper, Total	71.4	58.8	mg/kg	18		20
Iron, Total	14200	7630	mg/kg	**46**	Q	20
Lead, Total	254	330	mg/kg	**30**	Q	20
Magnesium, Total	4160	3620	mg/kg	13		20
Manganese, Total	196	106	mg/kg	**46**	Q	20
Zinc, Total	228	294	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-01
Client ID: EP43_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/25/21 08:50
Date Received: 10/25/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	10/26/21 11:06	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.868	0.174	1	10/27/21 14:00	10/28/21 13:00	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

SAMPLE RESULTS

Lab ID: L2158256-02
Client ID: EP44_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/25/21 09:30
Date Received: 10/25/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	10/26/21 11:06	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	10/27/21 14:00	10/28/21 13:00	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2158256
Report Date: 11/04/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1563770-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/27/21 14:00	10/28/21 13:00	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2158256

Report Date: 11/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1563770-2								
Chromium, Hexavalent	92		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1563770-4 QC Sample: L2158256-01 Client ID: EP43_2												
Chromium, Hexavalent	ND	1260	982	78		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1563209-1 QC Sample: L2157679-01 Client ID: DUP Sample						
Solids, Total	86.5	88.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1563770-6 QC Sample: L2158256-01 Client ID: EP43_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158256-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2158256-01B	Vial water preserved	A	NA		3.1	Y	Absent	26-OCT-21 06:50	NYTCL-8260HLW(14)
L2158256-01C	Vial water preserved	A	NA		3.1	Y	Absent	26-OCT-21 06:50	NYTCL-8260HLW(14)
L2158256-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2158256-01E	Plastic 120ml unpreserved	A	NA		3.1	Y	Absent		TS(7)
L2158256-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),TRICR-CALC(30),CR-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2158256-01G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2158256-01H	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2158256-01J	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2158256-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2158256-02B	Vial water preserved	A	NA		3.1	Y	Absent	26-OCT-21 06:50	NYTCL-8260HLW(14)
L2158256-02C	Vial water preserved	A	NA		3.1	Y	Absent	26-OCT-21 06:50	NYTCL-8260HLW(14)
L2158256-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2158256-02E	Plastic 120ml unpreserved	A	NA		3.1	Y	Absent		TS(7)
L2158256-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TRICR-CALC(30),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2158256-02G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2158256
Report Date: 11/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158256-02H	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2158256-02J	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2158256-03A	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
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Lab Number: L2158256
Report Date: 11/04/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

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Project Number:	170229024	**Report Date:**	11/04/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/25/21

ALPHA Job #: L2158256

Client Information

Client: Langan DPC
Address: 360 W 31th Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@Langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCB's	Pesticide / Herbicide	TAL Metals Hex	PFAS	1,4-dioxane	Sample Specific Comments	Total Bottle
58256-01	EP43_2	10/25/21	0850	Soil	YMD	X	X	X	X	X	X	X		
-02	EP44_2	↓	0930	↓	↓	X	X	X	X	X	X	X		
-03	PFB17_102521	↓	1200	AQ	↓						X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10/25/21 1335		
	10/25 1640	Paul Mazzella	10/25/21 1640
Paul Mazzella	10/25/21		
			10/25/21 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2160379
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	11/15/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2160379-01	EP27_2	SOIL	BROOKLYN, NY	11/03/21 08:50	11/03/21
L2160379-02	EP28_2	SOIL	BROOKLYN, NY	11/03/21 08:40	11/03/21
L2160379-03	EP34_2	SOIL	BROOKLYN, NY	11/03/21 08:30	11/03/21
L2160379-04	PFB18_110321	WATER	BROOKLYN, NY	11/03/21 13:00	11/03/21
L2160379-05	EPDUP02_110321	SOIL	BROOKLYN, NY	11/03/21 00:00	11/03/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2160379
Project Number:	170229024	**Report Date:**	11/15/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379
Project Number: 170229024 **Report Date:** 11/15/21

Case Narrative (continued)

Report Submission
November 15, 2021: This final report includes the results of all requested analyses.
November 09, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt
The analyses performed were specified by the client.

Semivolatile Organics
L2160379-03D: The sample has elevated detection limits due to the dilution required by the sample matrix.
L2160379-02D and -05D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
WG1567416: An MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Perfluorinated Alkyl Acids by Isotope Dilution
L2160379-01 and -03: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2160379-01, -03, and -05: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).
The Extracted Internal Standard recovery for the WG1569425-1 Method Blank, associated with L2160379-01, -02, -03, and -05, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379
Project Number: 170229024 **Report Date:** 11/15/21

Case Narrative (continued)

10%); however, the method blank is non-detect for all associated target analytes; therefore, no further action was taken.
WG1569425-2: The Extracted Internal Standard recovery is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.
WG1569425-3/-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Pesticides
L2160379-05D: The sample has elevated detection limits due to the dilution required by the sample matrix.
L2160379-05D: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (220%/878%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals
L2160379-01 through -03 and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis
The WG1567324-1 Method Blank, associated with L2160379-01, -02, -03, and -05, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".
The WG1567324-3/-4 MS/MSD recoveries, performed on L2160379-02, are outside the acceptance criteria for copper (294%/152%) and magnesium (72%/64%). A post digestion spike was performed and yielded unacceptable recoveries for copper (76%) and magnesium (79%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.
The WG1567324-3/-4 MS/MSD recoveries for aluminum (443%/453%), iron (1150%/1060%), lead (72%/135%), manganese (159%/224%) and zinc (154%/195%), performed on L2160379-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379
Project Number: 170229024 **Report Date:** 11/15/21

Case Narrative (continued)

The WG1567324-3/-4 MS/MSD RPDs for calcium (22%) and copper (28%), performed on L2160379-02, are above the acceptance criteria.
The WG1568529-3/-4 MS/MSD recoveries, performed on L2160379-02, are outside the acceptance criteria for mercury (0%/0%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total
The WG1567454-2/-3 LCS/LCSD recoveries for cyanide, total (60%/68%), associated with L2160379-01, -02, -03, and -05, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 11/15/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 Date Collected: 11/03/21 08:50
Client ID: EP27_2 Date Received: 11/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/21 16:10
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	16	7.5	1
1,1-Dichloroethane	ND		ug/kg	3.3	0.48	1
Chloroform	ND		ug/kg	4.9	0.46	1
Carbon tetrachloride	ND		ug/kg	3.3	0.75	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.41	1
Dibromochloromethane	ND		ug/kg	3.3	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	3.3	0.88	1
Tetrachloroethene	ND		ug/kg	1.6	0.64	1
Chlorobenzene	ND		ug/kg	1.6	0.42	1
Trichlorofluoromethane	ND		ug/kg	13	2.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.84	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.55	1
Bromodichloromethane	ND		ug/kg	1.6	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.52	1
1,3-Dichloropropene, Total	ND		ug/kg	1.6	0.52	1
1,1-Dichloropropene	ND		ug/kg	1.6	0.52	1
Bromoform	ND		ug/kg	13	0.81	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.54	1
Benzene	ND		ug/kg	1.6	0.54	1
Toluene	ND		ug/kg	3.3	1.8	1
Ethylbenzene	ND		ug/kg	3.3	0.46	1
Chloromethane	ND		ug/kg	13	3.0	1
Bromomethane	ND		ug/kg	6.6	1.9	1
Vinyl chloride	ND		ug/kg	3.3	1.1	1
Chloroethane	ND		ug/kg	6.6	1.5	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	0.45	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 Date Collected: 11/03/21 08:50

Client ID: EP27_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.6	0.45	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.47	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.56	1
Methyl tert butyl ether	ND		ug/kg	6.6	0.66	1
p/m-Xylene	ND		ug/kg	6.6	1.8	1
o-Xylene	ND		ug/kg	3.3	0.96	1
Xylenes, Total	ND		ug/kg	3.3	0.96	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethene, Total	ND		ug/kg	3.3	0.45	1
Dibromomethane	ND		ug/kg	6.6	0.78	1
Styrene	ND		ug/kg	3.3	0.64	1
Dichlorodifluoromethane	ND		ug/kg	33	3.0	1
Acetone	27	J	ug/kg	33	16.	1
Carbon disulfide	ND		ug/kg	33	15.	1
2-Butanone	ND		ug/kg	33	7.3	1
Vinyl acetate	ND		ug/kg	33	7.0	1
4-Methyl-2-pentanone	ND		ug/kg	33	4.2	1
1,2,3-Trichloropropane	ND		ug/kg	6.6	0.42	1
2-Hexanone	ND		ug/kg	33	3.9	1
Bromochloromethane	ND		ug/kg	6.6	0.67	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.66	1
1,2-Dibromoethane	ND		ug/kg	3.3	0.92	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.55	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.43	1
Bromobenzene	ND		ug/kg	6.6	0.48	1
n-Butylbenzene	ND		ug/kg	3.3	0.55	1
sec-Butylbenzene	ND		ug/kg	3.3	0.48	1
tert-Butylbenzene	ND		ug/kg	6.6	0.39	1
o-Chlorotoluene	ND		ug/kg	6.6	0.63	1
p-Chlorotoluene	ND		ug/kg	6.6	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.8	3.3	1
Hexachlorobutadiene	ND		ug/kg	13	0.55	1
Isopropylbenzene	ND		ug/kg	3.3	0.36	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.36	1
Naphthalene	ND		ug/kg	13	2.1	1
Acrylonitrile	ND		ug/kg	13	3.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 Date Collected: 11/03/21 08:50

Client ID: EP27_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	3.3	0.56	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.63	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	1.1	1
1,4-Dioxane	ND		ug/kg	260	120	1
p-Diethylbenzene	ND		ug/kg	6.6	0.58	1
p-Ethyltoluene	ND		ug/kg	6.6	1.3	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.63	1
Ethyl ether	ND		ug/kg	6.6	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	114		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/21 16:30
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	3.2		ug/kg	1.2	0.66	1
Ethylbenzene	0.19	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 Date Collected: 11/03/21 08:40

Client ID: EP28_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	0.83	J	ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	0.83	J	ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	240		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	19		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	1.2	J	ug/kg	4.8	0.79	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 Date Collected: 11/03/21 08:40

Client ID: EP28_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	116		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/21 16:51
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	4.2	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.26	1
Carbon tetrachloride	ND		ug/kg	1.8	0.42	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.23	1
Dibromochloromethane	ND		ug/kg	1.8	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.49	1
Tetrachloroethene	ND		ug/kg	0.91	0.36	1
Chlorobenzene	ND		ug/kg	0.91	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.3	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.47	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.30	1
Bromodichloromethane	ND		ug/kg	0.91	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.50	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.29	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	0.29	1
1,1-Dichloropropene	ND		ug/kg	0.91	0.29	1
Bromoform	ND		ug/kg	7.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.30	1
Benzene	ND		ug/kg	0.91	0.30	1
Toluene	ND		ug/kg	1.8	0.99	1
Ethylbenzene	ND		ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	7.3	1.7	1
Bromomethane	ND		ug/kg	3.6	1.1	1
Vinyl chloride	ND		ug/kg	1.8	0.61	1
Chloroethane	ND		ug/kg	3.6	0.83	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.25	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 Date Collected: 11/03/21 08:30

Client ID: EP34_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.91	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.37	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.53	1
Xylenes, Total	ND		ug/kg	1.8	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.25	1
Dibromomethane	ND		ug/kg	3.6	0.44	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	18	1.7	1
Acetone	68		ug/kg	18	8.8	1
Carbon disulfide	ND		ug/kg	18	8.3	1
2-Butanone	4.9	J	ug/kg	18	4.1	1
Vinyl acetate	ND		ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.2	1
Bromochloromethane	ND		ug/kg	3.6	0.38	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.37	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.51	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.27	1
tert-Butylbenzene	ND		ug/kg	3.6	0.22	1
o-Chlorotoluene	ND		ug/kg	3.6	0.35	1
p-Chlorotoluene	ND		ug/kg	3.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.3	0.31	1
Isopropylbenzene	ND		ug/kg	1.8	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.20	1
Naphthalene	ND		ug/kg	7.3	1.2	1
Acrylonitrile	ND		ug/kg	7.3	2.1	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 Date Collected: 11/03/21 08:30

Client ID: EP34_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.59	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.50	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.61	1
1,4-Dioxane	ND		ug/kg	150	64.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.35	1
Ethyl ether	ND		ug/kg	3.6	0.62	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.1	2.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	116		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/08/21 14:50
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	13	5.8	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.37	1
Chloroform	ND		ug/kg	3.8	0.35	1
Carbon tetrachloride	ND		ug/kg	2.5	0.58	1
1,2-Dichloropropane	ND		ug/kg	2.5	0.32	1
Dibromochloromethane	ND		ug/kg	2.5	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.67	1
Tetrachloroethene	ND		ug/kg	1.3	0.49	1
Chlorobenzene	ND		ug/kg	1.3	0.32	1
Trichlorofluoromethane	ND		ug/kg	10	1.8	1
1,2-Dichloroethane	ND		ug/kg	2.5	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.42	1
Bromodichloromethane	ND		ug/kg	1.3	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.69	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.40	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.40	1
1,1-Dichloropropene	ND		ug/kg	1.3	0.40	1
Bromoform	ND		ug/kg	10	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Benzene	ND		ug/kg	1.3	0.42	1
Toluene	4.8		ug/kg	2.5	1.4	1
Ethylbenzene	ND		ug/kg	2.5	0.36	1
Chloromethane	ND		ug/kg	10	2.4	1
Bromomethane	ND		ug/kg	5.0	1.5	1
Vinyl chloride	ND		ug/kg	2.5	0.84	1
Chloroethane	ND		ug/kg	5.0	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.5	0.60	1
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.34	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 Date Collected: 11/03/21 00:00

Client ID: EPDUP02_110321 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.3	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.37	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.43	1
Methyl tert butyl ether	ND		ug/kg	5.0	0.51	1
p/m-Xylene	1.4	J	ug/kg	5.0	1.4	1
o-Xylene	ND		ug/kg	2.5	0.73	1
Xylenes, Total	1.4	J	ug/kg	2.5	0.73	1
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.44	1
1,2-Dichloroethene, Total	ND		ug/kg	2.5	0.34	1
Dibromomethane	ND		ug/kg	5.0	0.60	1
Styrene	ND		ug/kg	2.5	0.49	1
Dichlorodifluoromethane	ND		ug/kg	25	2.3	1
Acetone	390		ug/kg	25	12.	1
Carbon disulfide	ND		ug/kg	25	11.	1
2-Butanone	ND		ug/kg	25	5.6	1
Vinyl acetate	ND		ug/kg	25	5.4	1
4-Methyl-2-pentanone	ND		ug/kg	25	3.2	1
1,2,3-Trichloropropane	ND		ug/kg	5.0	0.32	1
2-Hexanone	ND		ug/kg	25	3.0	1
Bromochloromethane	ND		ug/kg	5.0	0.52	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.51	1
1,2-Dibromoethane	ND		ug/kg	2.5	0.70	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.42	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.33	1
Bromobenzene	ND		ug/kg	5.0	0.37	1
n-Butylbenzene	ND		ug/kg	2.5	0.42	1
sec-Butylbenzene	ND		ug/kg	2.5	0.37	1
tert-Butylbenzene	ND		ug/kg	5.0	0.30	1
o-Chlorotoluene	ND		ug/kg	5.0	0.48	1
p-Chlorotoluene	ND		ug/kg	5.0	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	2.5	1
Hexachlorobutadiene	ND		ug/kg	10	0.43	1
Isopropylbenzene	ND		ug/kg	2.5	0.28	1
p-Isopropyltoluene	ND		ug/kg	2.5	0.28	1
Naphthalene	ND		ug/kg	10	1.6	1
Acrylonitrile	ND		ug/kg	10	2.9	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 Date Collected: 11/03/21 00:00

Client ID: EPDUP02_110321 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.5	0.43	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.81	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.69	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.49	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.84	1
1,4-Dioxane	ND		ug/kg	200	89.	1
p-Diethylbenzene	ND		ug/kg	5.0	0.45	1
p-Ethyltoluene	ND		ug/kg	5.0	0.97	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.48	1
Ethyl ether	ND		ug/kg	5.0	0.86	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/21 12:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1568371-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	2.0	J	ug/kg	4.0	0.93
Bromomethane	1.9	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/21 12:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1568371-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.23	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	5.1	J	ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/21 12:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1568371-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**137**	Q	70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	124		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/08/21 10:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1568885-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/08/21 10:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1568885-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/08/21 10:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1568885-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1568371-3 WG1568371-4								
Methylene chloride	103		96		70-130	7		30
1,1-Dichloroethane	100		96		70-130	4		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	113		106		70-130	6		30
1,2-Dichloropropane	107		105		70-130	2		30
Dibromochloromethane	98		99		70-130	1		30
1,1,2-Trichloroethane	96		99		70-130	3		30
Tetrachloroethene	106		100		70-130	6		30
Chlorobenzene	103		97		70-130	6		30
Trichlorofluoromethane	100		98		70-139	2		30
1,2-Dichloroethane	105		106		70-130	1		30
1,1,1-Trichloroethane	106		102		70-130	4		30
Bromodichloromethane	110		108		70-130	2		30
trans-1,3-Dichloropropene	91		93		70-130	2		30
cis-1,3-Dichloropropene	97		95		70-130	2		30
1,1-Dichloropropene	98		94		70-130	4		30
Bromoform	80		82		70-130	2		30
1,1,2,2-Tetrachloroethane	92		101		70-130	9		30
Benzene	104		99		70-130	5		30
Toluene	102		96		70-130	6		30
Ethylbenzene	104		99		70-130	5		30
Chloromethane	108		105		52-130	3		30
Bromomethane	102		100		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1568371-3 WG1568371-4								
Vinyl chloride	96		96		67-130	0		30
Chloroethane	101		97		50-151	4		30
1,1-Dichloroethene	92		88		65-135	4		30
trans-1,2-Dichloroethene	92		90		70-130	2		30
Trichloroethene	98		94		70-130	4		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	100		94		70-130	6		30
1,4-Dichlorobenzene	102		95		70-130	7		30
Methyl tert butyl ether	93		100		66-130	7		30
p/m-Xylene	104		99		70-130	5		30
o-Xylene	102		98		70-130	4		30
cis-1,2-Dichloroethene	95		93		70-130	2		30
Dibromomethane	89		93		70-130	4		30
Styrene	106		102		70-130	4		30
Dichlorodifluoromethane	97		94		30-146	3		30
Acetone	84		88		54-140	5		30
Carbon disulfide	94		88		59-130	7		30
2-Butanone	88		97		70-130	10		30
Vinyl acetate	115		129		70-130	11		30
4-Methyl-2-pentanone	80		96		70-130	18		30
1,2,3-Trichloropropane	89		94		68-130	5		30
2-Hexanone	86		104		70-130	19		30
Bromochloromethane	92		93		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1568371-3 WG1568371-4								
2,2-Dichloropropane	108		104		70-130	4		30
1,2-Dibromoethane	81		88		70-130	8		30
1,3-Dichloropropane	96		102		69-130	6		30
1,1,1,2-Tetrachloroethane	100		94		70-130	6		30
Bromobenzene	98		93		70-130	5		30
n-Butylbenzene	106		95		70-130	11		30
sec-Butylbenzene	105		96		70-130	9		30
tert-Butylbenzene	106		96		70-130	10		30
o-Chlorotoluene	124		113		70-130	9		30
p-Chlorotoluene	102		94		70-130	8		30
1,2-Dibromo-3-chloropropane	84		96		68-130	13		30
Hexachlorobutadiene	108		94		67-130	14		30
Isopropylbenzene	104		95		70-130	9		30
p-Isopropyltoluene	105		96		70-130	9		30
Naphthalene	84		93		70-130	10		30
Acrylonitrile	84		92		70-130	9		30
n-Propylbenzene	104		95		70-130	9		30
1,2,3-Trichlorobenzene	93		93		70-130	0		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	106		98		70-130	8		30
1,2,4-Trimethylbenzene	106		97		70-130	9		30
1,4-Dioxane	86		105		65-136	20		30
p-Diethylbenzene	104		95		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1568371-3 WG1568371-4								
p-Ethyltoluene	106		97		70-130	9		30
1,2,4,5-Tetramethylbenzene	99		100		70-130	1		30
Ethyl ether	86		90		67-130	5		30
trans-1,4-Dichloro-2-butene	99		104		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		113		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1568885-3 WG1568885-4								
Methylene chloride	88		83		70-130	6		30
1,1-Dichloroethane	108		99		70-130	9		30
Chloroform	111		106		70-130	5		30
Carbon tetrachloride	**135**	Q	122		70-130	10		30
1,2-Dichloropropane	102		96		70-130	6		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	112		103		70-130	8		30
Chlorobenzene	104		98		70-130	6		30
Trichlorofluoromethane	133		118		70-139	12		30
1,2-Dichloroethane	121		114		70-130	6		30
1,1,1-Trichloroethane	130		118		70-130	10		30
Bromodichloromethane	118		111		70-130	6		30
trans-1,3-Dichloropropene	99		97		70-130	2		30
cis-1,3-Dichloropropene	99		95		70-130	4		30
1,1-Dichloropropene	114		104		70-130	9		30
Bromoform	96		93		70-130	3		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	100		92		70-130	8		30
Toluene	102		95		70-130	7		30
Ethylbenzene	110		102		70-130	8		30
Chloromethane	111		97		52-130	13		30
Bromomethane	90		77		57-147	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1568885-3 WG1568885-4								
Vinyl chloride	100		87		67-130	14		30
Chloroethane	97		83		50-151	16		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	100		92		70-130	8		30
Trichloroethene	111		102		70-130	8		30
1,2-Dichlorobenzene	107		99		70-130	8		30
1,3-Dichlorobenzene	107		100		70-130	7		30
1,4-Dichlorobenzene	104		98		70-130	6		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	111		104		70-130	7		30
o-Xylene	112		106		70-130	6		30
cis-1,2-Dichloroethene	101		93		70-130	8		30
Dibromomethane	102		98		70-130	4		30
Styrene	113		107		70-130	5		30
Dichlorodifluoromethane	118		106		30-146	11		30
Acetone	82		78		54-140	5		30
Carbon disulfide	83		75		59-130	10		30
2-Butanone	82		84		70-130	2		30
Vinyl acetate	110		109		70-130	1		30
4-Methyl-2-pentanone	80		81		70-130	1		30
1,2,3-Trichloropropane	93		94		68-130	1		30
2-Hexanone	75		78		70-130	4		30
Bromochloromethane	103		96		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1568885-3 WG1568885-4								
2,2-Dichloropropane	126		114		70-130	10		30
1,2-Dibromoethane	92		90		70-130	2		30
1,3-Dichloropropane	98		96		69-130	2		30
1,1,1,2-Tetrachloroethane	120		113		70-130	6		30
Bromobenzene	104		96		70-130	8		30
n-Butylbenzene	115		106		70-130	8		30
sec-Butylbenzene	114		104		70-130	9		30
tert-Butylbenzene	115		106		70-130	8		30
o-Chlorotoluene	108		101		70-130	7		30
p-Chlorotoluene	109		102		70-130	7		30
1,2-Dibromo-3-chloropropane	82		84		68-130	2		30
Hexachlorobutadiene	118		109		67-130	8		30
Isopropylbenzene	114		103		70-130	10		30
p-Isopropyltoluene	119		108		70-130	10		30
Naphthalene	101		100		70-130	1		30
Acrylonitrile	93		94		70-130	1		30
n-Propylbenzene	110		102		70-130	8		30
1,2,3-Trichlorobenzene	106		102		70-130	4		30
1,2,4-Trichlorobenzene	107		102		70-130	5		30
1,3,5-Trimethylbenzene	115		107		70-130	7		30
1,2,4-Trimethylbenzene	115		107		70-130	7		30
1,4-Dioxane	80		81		65-136	1		30
p-Diethylbenzene	116		107		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1568885-3 WG1568885-4								
p-Ethyltoluene	112		104		70-130	7		30
1,2,4,5-Tetramethylbenzene	116		106		70-130	9		30
Ethyl ether	76		71		67-130	7		30
trans-1,4-Dichloro-2-butene	116		115		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		117		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	104		104		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1568371-6 WG1568371-7 QC Sample: L2160379-02 Client ID: EP28_2												
Methylene chloride	ND	217	190	87		240	99		70-130	24		30
1,1-Dichloroethane	ND	217	190	85		230	94		70-130	21		30
Chloroform	ND	217	180	81		230	92		70-130	25		30
Carbon tetrachloride	ND	217	210	94		260	105		70-130	23		30
1,2-Dichloropropane	ND	217	190	88		250	102		70-130	26		30
Dibromochloromethane	ND	217	160	72		210	84		70-130	28		30
1,1,2-Trichloroethane	ND	217	190	86		250	103		70-130	**31**	Q	30
Tetrachloroethene	ND	217	210	95		240	98		70-130	15		30
Chlorobenzene	ND	217	160	76		210	84		70-130	22		30
Trichlorofluoromethane	ND	217	190	88		240	97		70-139	21		30
1,2-Dichloroethane	ND	217	140	**66**	Q	190	78		70-130	29		30
1,1,1-Trichloroethane	ND	217	200	93		260	104		70-130	23		30
Bromodichloromethane	ND	217	180	82		240	97		70-130	29		30
trans-1,3-Dichloropropene	ND	217	130	**58**	Q	170	70		70-130	**31**	Q	30
cis-1,3-Dichloropropene	ND	217	150	70		200	82		70-130	28		30
1,1-Dichloropropene	ND	217	200	92		230	96		70-130	16		30
Bromoform	ND	217	140	**64**	Q	180	75		70-130	29		30
1,1,2,2-Tetrachloroethane	ND	217	190	89		250	103		70-130	26		30
Benzene	ND	217	200	92		260	105		70-130	25		30
Toluene	3.2	217	200	89		250	100		70-130	23		30
Ethylbenzene	0.19J	217	180	85		220	91		70-130	20		30
Chloromethane	ND	217	150	70		180	74		52-130	19		30
Bromomethane	ND	217	190	86		230	95		57-147	22		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1568371-6 WG1568371-7 QC Sample: L2160379-02 Client ID: EP28_2												
Vinyl chloride	ND	217	190	86		230	93		67-130	19		30
Chloroethane	ND	217	190	86		240	96		50-151	23		30
1,1-Dichloroethene	ND	217	200	91		250	101		65-135	22		30
trans-1,2-Dichloroethene	ND	217	170	79		210	85		70-130	19		30
Trichloroethene	ND	217	180	85		220	91		70-130	19		30
1,2-Dichlorobenzene	ND	217	130	**61**	Q	160	**64**	Q	70-130	18		30
1,3-Dichlorobenzene	ND	217	140	**62**	Q	160	**63**	Q	70-130	14		30
1,4-Dichlorobenzene	ND	217	130	**58**	Q	150	**62**	Q	70-130	18		30
Methyl tert butyl ether	ND	217	200	93		260	107		66-130	26		30
p/m-Xylene	0.83J	434	360	82		430	88		70-130	19		30
o-Xylene	ND	434	350	80		430	87		70-130	21		30
cis-1,2-Dichloroethene	ND	217	170	76		210	85		70-130	24		30
Dibromomethane	ND	217	140	**64**	Q	190	76		70-130	28		30
Styrene	ND	434	310	71		380	78		70-130	22		30
Dichlorodifluoromethane	ND	217	190	89		240	96		30-146	19		30
Acetone	240	217	360	56		510	111		54-140	**35**	Q	30
Carbon disulfide	ND	217	170	80		200	80		59-130	13		30
2-Butanone	19	217	160	**64**	Q	190	**69**	Q	70-130	17		30
Vinyl acetate	ND	217	55	**25**	Q	69	**28**	Q	70-130	23		30
4-Methyl-2-pentanone	ND	217	170	76		230	93		70-130	**32**	Q	30
1,2,3-Trichloropropane	ND	217	180	81		230	93		68-130	26		30
2-Hexanone	ND	217	130	**60**	Q	190	76		70-130	**35**	Q	30
Bromochloromethane	ND	217	150	70		200	81		70-130	26		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1568371-6 WG1568371-7 QC Sample: L2160379-02 Client ID: EP28_2												
2,2-Dichloropropane	ND	217	200	92		250	104		70-130	24		30
1,2-Dibromoethane	ND	217	140	**64**	Q	190	78		70-130	**32**	Q	30
1,3-Dichloropropane	ND	217	180	82		240	99		69-130	30		30
1,1,1,2-Tetrachloroethane	ND	217	180	82		230	93		70-130	25		30
Bromobenzene	ND	217	150	70		190	77		70-130	22		30
n-Butylbenzene	ND	217	180	81		180	71		70-130	1		30
sec-Butylbenzene	ND	217	200	93		210	87		70-130	5		30
tert-Butylbenzene	ND	217	210	95		230	93		70-130	9		30
o-Chlorotoluene	ND	217	180	83		210	85		70-130	14		30
p-Chlorotoluene	ND	217	160	72		180	74		70-130	14		30
1,2-Dibromo-3-chloropropane	ND	217	150	**67**	Q	200	81		68-130	30		30
Hexachlorobutadiene	ND	217	170	77		160	**64**	Q	67-130	7		30
Isopropylbenzene	ND	217	210	97		240	98		70-130	13		30
p-Isopropyltoluene	ND	217	190	88		200	82		70-130	6		30
Naphthalene	1.2J	217	90	**42**	Q	120	**49**	Q	70-130	28		30
Acrylonitrile	ND	217	130	**58**	Q	170	**69**	Q	70-130	29		30
n-Propylbenzene	ND	217	200	90		220	88		70-130	10		30
1,2,3-Trichlorobenzene	ND	217	82	**38**	Q	98	**40**	Q	70-130	17		30
1,2,4-Trichlorobenzene	ND	217	86	**40**	Q	98	**40**	Q	70-130	13		30
1,3,5-Trimethylbenzene	ND	217	190	87		210	87		70-130	12		30
1,2,4-Trimethylbenzene	ND	217	180	82		200	82		70-130	13		30
1,4-Dioxane	ND	10900	12000	107		12000	100		65-136	6		30
p-Diethylbenzene	ND	217	170	80		180	74		70-130	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1568371-6 WG1568371-7 QC Sample: L2160379-02 Client ID: EP28_2												
p-Ethyltoluene	ND	217	190	88		210	86		70-130	10		30
1,2,4,5-Tetramethylbenzene	ND	217	140	**63**	Q	150	**61**	Q	70-130	8		30
Ethyl ether	ND	217	190	87		250	101		67-130	26		30
trans-1,4-Dichloro-2-butene	ND	217	110	**51**	Q	150	**62**	Q	70-130	**31**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	92		89		70-130
Toluene-d8	102		102		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 04:14
Analyst: HT
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.490	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.490	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.245	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.490	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.245	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.245	0.059	1
Perfluorooctanoic Acid (PFOA)	0.075	J	ng/g	0.245	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.490	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.490	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.245	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.245	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.245	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.490	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.490	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.490	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.490	0.150	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.490	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.490	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.490	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.490	0.053	1
PFOA/PFOS, Total	0.075	J	ng/g	0.245	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 Date Collected: 11/03/21 08:50

Client ID: EP27_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	34		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 12:04
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.490	0.096	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 D
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/09/21 11:47
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2200		ug/kg	740	96.	5
1,2,4-Trichlorobenzene	ND		ug/kg	930	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	840	120	5
2-Chloronaphthalene	ND		ug/kg	930	92.	5
1,2-Dichlorobenzene	ND		ug/kg	930	170	5
1,3-Dichlorobenzene	ND		ug/kg	930	160	5
1,4-Dichlorobenzene	ND		ug/kg	930	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	930	250	5
2,4-Dinitrotoluene	ND		ug/kg	930	180	5
2,6-Dinitrotoluene	ND		ug/kg	930	160	5
Fluoranthene	21000		ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	930	99.	5
4-Bromophenyl phenyl ether	ND		ug/kg	930	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	93.	5
Hexachlorobutadiene	ND		ug/kg	930	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	840	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	840	120	5
Naphthalene	920	J	ug/kg	930	110	5
Nitrobenzene	ND		ug/kg	840	140	5
NDPA/DPA	ND		ug/kg	740	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	930	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	930	320	5
Butyl benzyl phthalate	ND		ug/kg	930	230	5
Di-n-butylphthalate	ND		ug/kg	930	180	5
Di-n-octylphthalate	ND		ug/kg	930	320	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 D Date Collected: 11/03/21 08:50
Client ID: EP27_2 Date Received: 11/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	930	86.	5
Dimethyl phthalate	ND		ug/kg	930	190	5
Benzo(a)anthracene	9000		ug/kg	560	100	5
Benzo(a)pyrene	9300		ug/kg	740	230	5
Benzo(b)fluoranthene	11000		ug/kg	560	160	5
Benzo(k)fluoranthene	3800		ug/kg	560	150	5
Chrysene	8400		ug/kg	560	96.	5
Acenaphthylene	770		ug/kg	740	140	5
Anthracene	4900		ug/kg	560	180	5
Benzo(ghi)perylene	5200		ug/kg	740	110	5
Fluorene	2200		ug/kg	930	90.	5
Phenanthrene	19000		ug/kg	560	110	5
Dibenzo(a,h)anthracene	1200		ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	5400		ug/kg	740	130	5
Pyrene	18000		ug/kg	560	92.	5
Biphenyl	220	J	ug/kg	2100	220	5
4-Chloroaniline	ND		ug/kg	930	170	5
2-Nitroaniline	ND		ug/kg	930	180	5
3-Nitroaniline	ND		ug/kg	930	180	5
4-Nitroaniline	ND		ug/kg	930	380	5
Dibenzofuran	1400		ug/kg	930	88.	5
2-Methylnaphthalene	570	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	930	97.	5
Acetophenone	ND		ug/kg	930	110	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	ND		ug/kg	930	140	5
2-Chlorophenol	ND		ug/kg	930	110	5
2,4-Dichlorophenol	ND		ug/kg	840	150	5
2,4-Dimethylphenol	ND		ug/kg	930	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	930	140	5
2-Methylphenol	ND		ug/kg	930	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 D Date Collected: 11/03/21 08:50

Client ID: EP27_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	930	180	5
Benzoic Acid	ND		ug/kg	3000	940	5
Benzyl Alcohol	ND		ug/kg	930	280	5
Carbazole	1800		ug/kg	930	90.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	85		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 04:31
Analyst: HT
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.517	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.517	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.259	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 Date Collected: 11/03/21 08:40

Client ID: EP28_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 D
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/09/21 12:55
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3200		ug/kg	2900	380	20
1,2,4-Trichlorobenzene	ND		ug/kg	3700	420	20
Hexachlorobenzene	ND		ug/kg	2200	410	20
Bis(2-chloroethyl)ether	ND		ug/kg	3300	500	20
2-Chloronaphthalene	ND		ug/kg	3700	360	20
1,2-Dichlorobenzene	ND		ug/kg	3700	660	20
1,3-Dichlorobenzene	ND		ug/kg	3700	630	20
1,4-Dichlorobenzene	ND		ug/kg	3700	640	20
3,3'-Dichlorobenzidine	ND		ug/kg	3700	980	20
2,4-Dinitrotoluene	ND		ug/kg	3700	740	20
2,6-Dinitrotoluene	ND		ug/kg	3700	630	20
Fluoranthene	46000		ug/kg	2200	420	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3700	390	20
4-Bromophenyl phenyl ether	ND		ug/kg	3700	560	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4400	630	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4000	370	20
Hexachlorobutadiene	ND		ug/kg	3700	540	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	3300	20
Hexachloroethane	ND		ug/kg	2900	600	20
Isophorone	ND		ug/kg	3300	480	20
Naphthalene	4400		ug/kg	3700	450	20
Nitrobenzene	ND		ug/kg	3300	540	20
NDPA/DPA	8700		ug/kg	2900	420	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3700	570	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	3700	1300	20
Butyl benzyl phthalate	ND		ug/kg	3700	930	20
Di-n-butylphthalate	ND		ug/kg	3700	700	20
Di-n-octylphthalate	ND		ug/kg	3700	1200	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 D Date Collected: 11/03/21 08:40
Client ID: EP28_2 Date Received: 11/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	3700	340	20
Dimethyl phthalate	ND		ug/kg	3700	770	20
Benzo(a)anthracene	15000		ug/kg	2200	410	20
Benzo(a)pyrene	17000		ug/kg	2900	900	20
Benzo(b)fluoranthene	22000		ug/kg	2200	620	20
Benzo(k)fluoranthene	7300		ug/kg	2200	590	20
Chrysene	18000		ug/kg	2200	380	20
Acenaphthylene	1600	J	ug/kg	2900	570	20
Anthracene	7100		ug/kg	2200	720	20
Benzo(ghi)perylene	12000		ug/kg	2900	430	20
Fluorene	5200		ug/kg	3700	360	20
Phenanthrene	41000		ug/kg	2200	450	20
Dibenzo(a,h)anthracene	3100		ug/kg	2200	420	20
Indeno(1,2,3-cd)pyrene	13000		ug/kg	2900	510	20
Pyrene	36000		ug/kg	2200	360	20
Biphenyl	1900	J	ug/kg	8400	850	20
4-Chloroaniline	ND		ug/kg	3700	670	20
2-Nitroaniline	ND		ug/kg	3700	710	20
3-Nitroaniline	ND		ug/kg	3700	690	20
4-Nitroaniline	ND		ug/kg	3700	1500	20
Dibenzofuran	3800		ug/kg	3700	350	20
2-Methylnaphthalene	1800	J	ug/kg	4400	440	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3700	380	20
Acetophenone	ND		ug/kg	3700	460	20
2,4,6-Trichlorophenol	ND		ug/kg	2200	700	20
p-Chloro-m-cresol	ND		ug/kg	3700	550	20
2-Chlorophenol	ND		ug/kg	3700	440	20
2,4-Dichlorophenol	ND		ug/kg	3300	590	20
2,4-Dimethylphenol	ND		ug/kg	3700	1200	20
2-Nitrophenol	ND		ug/kg	8000	1400	20
4-Nitrophenol	ND		ug/kg	5200	1500	20
2,4-Dinitrophenol	ND		ug/kg	18000	1700	20
4,6-Dinitro-o-cresol	ND		ug/kg	9600	1800	20
Pentachlorophenol	ND		ug/kg	2900	810	20
Phenol	910	J	ug/kg	3700	560	20
2-Methylphenol	ND		ug/kg	3700	570	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5300	580	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 D Date Collected: 11/03/21 08:40

Client ID: EP28_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3700	700	20
Benzoic Acid	ND		ug/kg	12000	3700	20
Benzyl Alcohol	ND		ug/kg	3700	1100	20
Carbazole	5200		ug/kg	3700	360	20
1,4-Dioxane	ND		ug/kg	550	170	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 05:20
Analyst: HT
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.518	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.518	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.518	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	0.065	J	ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.518	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.518	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.518	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.518	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.518	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.518	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.518	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.518	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.518	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.518	0.056	1
PFOA/PFOS, Total	0.065	J	ng/g	0.259	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 Date Collected: 11/03/21 08:30

Client ID: EP34_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 12:11
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.518	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 D
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/09/21 12:09
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	1400	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	310	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	22000		ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	230	10
Naphthalene	960	J	ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1400	200	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	620	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	610	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 D Date Collected: 11/03/21 08:30
Client ID: EP34_2 Date Received: 11/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	9500		ug/kg	1100	200	10
Benzo(a)pyrene	9000		ug/kg	1400	440	10
Benzo(b)fluoranthene	11000		ug/kg	1100	300	10
Benzo(k)fluoranthene	3300		ug/kg	1100	290	10
Chrysene	9300		ug/kg	1100	190	10
Acenaphthylene	750	J	ug/kg	1400	280	10
Anthracene	4200		ug/kg	1100	350	10
Benzo(ghi)perylene	6000		ug/kg	1400	210	10
Fluorene	1600	J	ug/kg	1800	180	10
Phenanthrene	19000		ug/kg	1100	220	10
Dibenzo(a,h)anthracene	1500		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	6400		ug/kg	1400	250	10
Pyrene	18000		ug/kg	1100	180	10
Biphenyl	ND		ug/kg	4100	420	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	750	10
Dibenzofuran	1200	J	ug/kg	1800	170	10
2-Methylnaphthalene	480	J	ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	3900	680	10
4-Nitrophenol	ND		ug/kg	2500	740	10
2,4-Dinitrophenol	ND		ug/kg	8700	840	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	870	10
Pentachlorophenol	ND		ug/kg	1400	400	10
Phenol	ND		ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	280	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 D Date Collected: 11/03/21 08:30

Client ID: EP34_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	1300	J	ug/kg	1800	180	10
1,4-Dioxane	ND		ug/kg	270	83.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	55		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-04
Client ID: PFB18_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 13:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/14/21 00:52
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 11/11/21 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.76	0.360	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.76	0.349	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.76	0.210	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.76	0.289	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.76	0.199	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.76	0.332	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.76	0.208	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.76	1.17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.76	0.607	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.76	0.275	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.76	0.444	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.76	0.268	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.76	1.07	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.76	0.572	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.76	0.229	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.76	0.864	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.76	0.512	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.76	0.709	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.76	0.328	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.76	0.288	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.76	0.219	1
PFOA/PFOS, Total	ND		ng/l	1.76	0.208	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-04 Date Collected: 11/03/21 13:00

Client ID: PFB18_110321 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	121		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 05:37
Analyst: HT
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.537	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.537	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.269	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.537	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.269	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.269	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.269	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.537	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.537	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.269	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.269	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.269	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.537	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.537	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.537	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.537	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.537	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.537	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.537	0.220	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.537	0.058	1
PFOA/PFOS, Total	ND		ng/g	0.269	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 Date Collected: 11/03/21 00:00

Client ID: EPDUP02_110321 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	46		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 12:18
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.537	0.105	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 D
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/09/21 12:32
Analyst: JG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	12000		ug/kg	2900	380	20
1,2,4-Trichlorobenzene	ND		ug/kg	3700	420	20
Hexachlorobenzene	ND		ug/kg	2200	410	20
Bis(2-chloroethyl)ether	ND		ug/kg	3300	500	20
2-Chloronaphthalene	ND		ug/kg	3700	360	20
1,2-Dichlorobenzene	ND		ug/kg	3700	660	20
1,3-Dichlorobenzene	ND		ug/kg	3700	630	20
1,4-Dichlorobenzene	ND		ug/kg	3700	640	20
3,3'-Dichlorobenzidine	ND		ug/kg	3700	980	20
2,4-Dinitrotoluene	ND		ug/kg	3700	740	20
2,6-Dinitrotoluene	ND		ug/kg	3700	630	20
Fluoranthene	110000		ug/kg	2200	420	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3700	390	20
4-Bromophenyl phenyl ether	ND		ug/kg	3700	560	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4400	630	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4000	370	20
Hexachlorobutadiene	ND		ug/kg	3700	540	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	3300	20
Hexachloroethane	ND		ug/kg	2900	600	20
Isophorone	ND		ug/kg	3300	480	20
Naphthalene	14000		ug/kg	3700	450	20
Nitrobenzene	ND		ug/kg	3300	540	20
NDPA/DPA	8400		ug/kg	2900	420	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3700	570	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	3700	1300	20
Butyl benzyl phthalate	ND		ug/kg	3700	930	20
Di-n-butylphthalate	ND		ug/kg	3700	700	20
Di-n-octylphthalate	ND		ug/kg	3700	1200	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 D Date Collected: 11/03/21 00:00
Client ID: EPDUP02_110321 Date Received: 11/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	3700	340	20
Dimethyl phthalate	ND		ug/kg	3700	770	20
Benzo(a)anthracene	37000		ug/kg	2200	410	20
Benzo(a)pyrene	38000		ug/kg	2900	900	20
Benzo(b)fluoranthene	46000		ug/kg	2200	620	20
Benzo(k)fluoranthene	16000		ug/kg	2200	590	20
Chrysene	38000		ug/kg	2200	380	20
Acenaphthylene	3400		ug/kg	2900	570	20
Anthracene	25000		ug/kg	2200	720	20
Benzo(ghi)perylene	25000		ug/kg	2900	430	20
Fluorene	15000		ug/kg	3700	360	20
Phenanthrene	110000		ug/kg	2200	450	20
Dibenzo(a,h)anthracene	5900		ug/kg	2200	420	20
Indeno(1,2,3-cd)pyrene	26000		ug/kg	2900	510	20
Pyrene	89000		ug/kg	2200	360	20
Biphenyl	3000	J	ug/kg	8400	850	20
4-Chloroaniline	ND		ug/kg	3700	670	20
2-Nitroaniline	ND		ug/kg	3700	710	20
3-Nitroaniline	ND		ug/kg	3700	690	20
4-Nitroaniline	ND		ug/kg	3700	1500	20
Dibenzofuran	11000		ug/kg	3700	350	20
2-Methylnaphthalene	5600		ug/kg	4400	440	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3700	380	20
Acetophenone	ND		ug/kg	3700	460	20
2,4,6-Trichlorophenol	ND		ug/kg	2200	700	20
p-Chloro-m-cresol	ND		ug/kg	3700	550	20
2-Chlorophenol	ND		ug/kg	3700	430	20
2,4-Dichlorophenol	ND		ug/kg	3300	590	20
2,4-Dimethylphenol	ND		ug/kg	3700	1200	20
2-Nitrophenol	ND		ug/kg	7900	1400	20
4-Nitrophenol	ND		ug/kg	5100	1500	20
2,4-Dinitrophenol	ND		ug/kg	18000	1700	20
4,6-Dinitro-o-cresol	ND		ug/kg	9600	1800	20
Pentachlorophenol	ND		ug/kg	2900	810	20
Phenol	ND		ug/kg	3700	560	20
2-Methylphenol	ND		ug/kg	3700	570	20
3-Methylphenol/4-Methylphenol	860	J	ug/kg	5300	580	20

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 D
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3700	700	20
Benzoic Acid	ND		ug/kg	12000	3700	20
Benzyl Alcohol	ND		ug/kg	3700	1100	20
Carbazole	13000		ug/kg	3700	360	20
1,4-Dioxane	ND		ug/kg	550	170	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 19:49
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1567416-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 19:49
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1567416-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 19:49
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1567416-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	114		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 03:41
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1569425-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/12/21 03:41
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1569425-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	62		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 11:49
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 11/10/21 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1569425-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 22:40
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 11/11/21 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1570084-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/13/21 22:40
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 11/11/21 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1570084-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	108		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567416-2 WG1567416-3								
Acenaphthene	91		104		31-137	13		50
1,2,4-Trichlorobenzene	82		100		38-107	20		50
Hexachlorobenzene	117		128		40-140	9		50
Bis(2-chloroethyl)ether	69		88		40-140	24		50
2-Chloronaphthalene	89		98		40-140	10		50
1,2-Dichlorobenzene	74		93		40-140	23		50
1,3-Dichlorobenzene	70		88		40-140	23		50
1,4-Dichlorobenzene	71		89		28-104	23		50
3,3'-Dichlorobenzidine	86		95		40-140	10		50
2,4-Dinitrotoluene	112		125		40-132	11		50
2,6-Dinitrotoluene	103		110		40-140	7		50
Fluoranthene	110		119		40-140	8		50
4-Chlorophenyl phenyl ether	96		104		40-140	8		50
4-Bromophenyl phenyl ether	110		121		40-140	10		50
Bis(2-chloroisopropyl)ether	58		75		40-140	26		50
Bis(2-chloroethoxy)methane	73		90		40-117	21		50
Hexachlorobutadiene	94		108		40-140	14		50
Hexachlorocyclopentadiene	80		90		40-140	12		50
Hexachloroethane	72		92		40-140	24		50
Isophorone	80		97		40-140	19		50
Naphthalene	83		98		40-140	17		50
Nitrobenzene	82		100		40-140	20		50
NDPA/DPA	96		107		36-157	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567416-2 WG1567416-3								
n-Nitrosodi-n-propylamine	79		96		32-121	19		50
Bis(2-ethylhexyl)phthalate	94		109		40-140	15		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	103		109		40-140	6		50
Di-n-octylphthalate	93		110		40-140	17		50
Diethyl phthalate	99		109		40-140	10		50
Dimethyl phthalate	96		104		40-140	8		50
Benzo(a)anthracene	102		114		40-140	11		50
Benzo(a)pyrene	118		138		40-140	16		50
Benzo(b)fluoranthene	112		132		40-140	16		50
Benzo(k)fluoranthene	111		130		40-140	16		50
Chrysene	100		113		40-140	12		50
Acenaphthylene	92		101		40-140	9		50
Anthracene	100		112		40-140	11		50
Benzo(ghi)perylene	122		135		40-140	10		50
Fluorene	96		106		40-140	10		50
Phenanthrene	96		108		40-140	12		50
Dibenzo(a,h)anthracene	118		131		40-140	10		50
Indeno(1,2,3-cd)pyrene	109		119		40-140	9		50
Pyrene	108		118		35-142	9		50
Biphenyl	90		99		37-127	10		50
4-Chloroaniline	84		97		40-140	14		50
2-Nitroaniline	104		113		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567416-2 WG1567416-3								
3-Nitroaniline	82		88		26-129	7		50
4-Nitroaniline	97		107		41-125	10		50
Dibenzofuran	94		105		40-140	11		50
2-Methylnaphthalene	84		95		40-140	12		50
1,2,4,5-Tetrachlorobenzene	101		110		40-117	9		50
Acetophenone	84		103		14-144	20		50
2,4,6-Trichlorophenol	111		119		30-130	7		50
p-Chloro-m-cresol	**108**	Q	**116**	Q	26-103	7		50
2-Chlorophenol	86		**105**	Q	25-102	20		50
2,4-Dichlorophenol	94		112		30-130	17		50
2,4-Dimethylphenol	88		106		30-130	19		50
2-Nitrophenol	90		109		30-130	19		50
4-Nitrophenol	107		**124**	Q	11-114	15		50
2,4-Dinitrophenol	96		100		4-130	4		50
4,6-Dinitro-o-cresol	119		**132**	Q	10-130	10		50
Pentachlorophenol	**113**	Q	**124**	Q	17-109	9		50
Phenol	84		**102**	Q	26-90	19		50
2-Methylphenol	83		102		30-130.	21		50
3-Methylphenol/4-Methylphenol	92		110		30-130	18		50
2,4,5-Trichlorophenol	111		117		30-130	5		50
Benzoic Acid	38		32		10-110	17		50
Benzyl Alcohol	91		113		40-140	22		50
Carbazole	105		115		54-128	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567416-2 WG1567416-3								
1,4-Dioxane	**34**	Q	42		40-140	21		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		102		25-120
Phenol-d6	95		112		10-120
Nitrobenzene-d5	85		101		23-120
2-Fluorobiphenyl	89		95		30-120
2,4,6-Tribromophenol	132		**146**	Q	10-136
4-Terphenyl-d14	114		120		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1569425-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	90		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	90		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	88		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	90		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	85		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	86		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	87		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	99		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	85		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	83		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	82		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	91		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	90		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	91		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1569425-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	64				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**7**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1569425-2								
Perfluorooctanesulfonamide (FOSA)	110		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1570084-2								
Perfluorobutanoic Acid (PFBA)	92		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	88		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	88		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	87		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	90		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	88		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	79		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	90		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	81		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	69		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	90		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	81		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	86		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	85		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	101		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	96		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	89		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	89		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1570084-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1569425-3 WG1569425-4 QC Sample: L2160379-02 Client ID: EP28_2												
Perfluorobutanoic Acid (PFBA)	ND	5.11	4.66	91		4.74	93		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.11	4.82	94		4.85	95		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.54	4.24	93		4.35	96		72-128	3		30
Perfluorohexanoic Acid (PFHxA)	ND	5.11	4.59	90		4.62	91		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.11	4.68	92		4.63	91		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.67	4.22	90		4.30	92		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	5.11	4.56	89		4.53	89		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.87	4.87	100		4.94	102		64-140	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.87	4.19	86		4.30	89		70-132	3		30
Perfluorononanoic Acid (PFNA)	ND	5.11	4.38	86		4.36	85		72-129	0		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.75	4.14	87		4.40	93		68-136	6		30
Perfluorodecanoic Acid (PFDA)	ND	5.11	4.29	84		4.38	86		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.91	3.76	77		3.65	75		65-137	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.11	5.35	105		4.71F	92		63-144	13		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.11	4.26	83		4.13	81		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.93	3.96	80		4.24	86		59-134	7		30
Perfluorooctanesulfonamide (FOSA)	ND	5.11	4.34	85		4.24	83		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.11	4.98	97		5.21	102		61-139	5		30
Perfluorododecanoic Acid (PFDoA)	ND	5.11	4.70	92		4.71	92		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.11	4.56	89		4.74	93		66-139	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.11	4.58	90		4.44	87		69-133	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1569425-3 WG1569425-4 QC Sample: L2160379-02 Client ID: EP28_2

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		124		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		120		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		60		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		104		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		101		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		103		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		111		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		98		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		74		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		104		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	50		18		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		101		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		104		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		110		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		104		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1570084-3 WG1570084-4 QC Sample: L2159863-02 Client ID: MS Sample												
Perfluorooctanoic Acid (PFOA)	20.2	37.7	53.5	88		53.7	86		63-159	0		30
Perfluorononanoic Acid (PFNA)	72.5	37.7	74.1	**4**	Q	35.8	**0**	Q	68-171	**70**	Q	30
Perfluorooctanesulfonic Acid (PFOS)	8.73	35	40.3	90		41.2	90		52-151	2		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		93		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		82		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		92		59-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1570084-5 WG1570084-6 QC Sample: L2160174-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	2.36	37.6	38.3	96		37.5	94		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	1.38J	37.6	37.8	97		37.6	97		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	10.2	33.3	44.4	103		42.7	98		65-157	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.2	36.1	103		34.9	99		37-219	3		30
Perfluorohexanoic Acid (PFHxA)	0.910JF	37.6	36.1	94		35.0	91		69-168	3		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.3	37.1	105		34.9	99		52-156	6		30
Perfluoroheptanoic Acid (PFHpA)	0.840J	37.6	36.0	94		35.0	91		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	0.656J	34.3	33.8	97		33.4	96		69-177	1		30
Perfluorooctanoic Acid (PFOA)	1.62J	37.6	36.1	92		34.1	87		63-159	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.8	37.0	103		36.7	103		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.8	33.2	93		33.4	94		61-179	1		30
Perfluorononanoic Acid (PFNA)	ND	37.6	30.8	82		30.4	81		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	3.34	34.8	35.4	92		34.7	90		52-151	2		30
Perfluorodecanoic Acid (PFDA)	ND	37.6	31.7	84		30.8	82		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36	32.8	91		27.0	75		56-173	19		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.1	26.0	72		27.4	76		48-150	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.6	32.8F	87		32.0	85		60-166	2		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.6	31.1	83		30.1	80		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.2	26.4	73		25.8	71		38-156	2		30
Perfluorooctanesulfonamide (FOSA)	ND	37.6	30.8	82		29.7	79		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.6	34.4	92		35.7	95		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	ND	37.6	34.1	91		33.8	90		67-153	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1570084-5 WG1570084-6 QC Sample: L2160174-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.6	30.2	80		28.9	77		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.6	31.2	83		31.9	85		59-182	2		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		127		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**210**	Q	**207**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**180**	Q	**175**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		44		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44		47		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		78		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		85		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		76		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		88		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		57		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48		48		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		93		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		37		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		86		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		98		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		107		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		95		70-131

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/21 12:06
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/05/21 20:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/21 11:43
Analyst: JAW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/05/21 19:02
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	36.6		ug/kg	35.0	5.25	1	A
Aroclor 1254	35.2		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	71.8		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/21 12:14
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/05/21 19:02
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.67	1	A
Aroclor 1232	ND		ug/kg	36.7	7.77	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/21 12:22
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/05/21 19:02
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	3.34	1	A
Aroclor 1221	ND		ug/kg	37.6	3.76	1	A
Aroclor 1232	ND		ug/kg	37.6	7.96	1	A
Aroclor 1242	ND		ug/kg	37.6	5.06	1	A
Aroclor 1248	ND		ug/kg	37.6	5.63	1	A
Aroclor 1254	ND		ug/kg	37.6	4.11	1	A
Aroclor 1260	ND		ug/kg	37.6	6.94	1	A
Aroclor 1262	ND		ug/kg	37.6	4.77	1	A
Aroclor 1268	ND		ug/kg	37.6	3.89	1	A
PCBs, Total	ND		ug/kg	37.6	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/06/21 11:19
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 11/05/21 19:02
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1567909-1						
Aroclor 1016	ND		ug/kg	31.3	2.78	A
Aroclor 1221	ND		ug/kg	31.3	3.14	A
Aroclor 1232	ND		ug/kg	31.3	6.64	A
Aroclor 1242	ND		ug/kg	31.3	4.22	A
Aroclor 1248	ND		ug/kg	31.3	4.70	A
Aroclor 1254	ND		ug/kg	31.3	3.43	A
Aroclor 1260	ND		ug/kg	31.3	5.79	A
Aroclor 1262	ND		ug/kg	31.3	3.98	A
Aroclor 1268	ND		ug/kg	31.3	3.25	A
PCBs, Total	ND		ug/kg	31.3	2.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567909-2 WG1567909-3									
Aroclor 1016	82		79		40-140	4		50	A
Aroclor 1260	86		88		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		70		30-150	A
Decachlorobiphenyl	110		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		74		30-150	B
Decachlorobiphenyl	105		97		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567909-4 WG1567909-5 QC Sample: L2160379-02 Client ID: EP28_2													
Aroclor 1016	ND	226	160	71		158	69		40-140	1		50	A
Aroclor 1260	ND	226	151	67		152	67		40-140	1		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		65		30-150	A
Decachlorobiphenyl	75		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		59		30-150	B
Decachlorobiphenyl	91		102		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/09/21 09:34
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 21:13
Cleanup Method: EPA 3620B
Cleanup Date: 11/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.778	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	ND		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	ND		ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.353	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.34	1	A
cis-Chlordane	ND		ug/kg	2.22	0.620	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.8	5.89	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01 Date Collected: 11/03/21 08:50

Client ID: EP27_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	**210**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/08/21 16:07
Analyst: AR
Percent Solids: 90%
Methylation Date: 11/06/21 22:01

Extraction Method: EPA 8151A
Extraction Date: 11/05/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	52		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/09/21 09:45
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 21:13
Cleanup Method: EPA 3620B
Cleanup Date: 11/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02 Date Collected: 11/03/21 08:40

Client ID: EP28_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	143		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	**249**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/08/21 16:25
Analyst: AR
Percent Solids: 90%
Methylation Date: 11/06/21 22:01

Extraction Method: EPA 8151A
Extraction Date: 11/05/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.61	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	50		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/09/21 10:18
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 21:13
Cleanup Method: EPA 3620B
Cleanup Date: 11/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.330	1	A
Lindane	ND		ug/kg	0.703	0.314	1	A
Alpha-BHC	ND		ug/kg	0.703	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.843	0.378	1	A
Aldrin	ND		ug/kg	1.69	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.949	1	A
Endrin	ND		ug/kg	0.703	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.738	1	A
Endrin ketone	ND		ug/kg	1.69	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.527	1	A
4,4'-DDE	ND		ug/kg	1.69	0.390	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	3.16	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.398	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.703	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.984	1	A
Toxaphene	ND		ug/kg	31.6	8.86	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	14.0	5.59	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03 Date Collected: 11/03/21 08:30

Client ID: EP34_2 Date Received: 11/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	132		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	**271**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/08/21 15:12
Analyst: AR
Percent Solids: 91%
Methylation Date: 11/06/21 22:01

Extraction Method: EPA 8151A
Extraction Date: 11/05/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.54	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	52		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/08/21 15:30
Analyst: AR
Percent Solids: 88%
Methylation Date: 11/06/21 22:01

Extraction Method: EPA 8151A
Extraction Date: 11/05/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	66		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 D
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/09/21 10:28
Analyst: AR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 21:13
Cleanup Method: EPA 3620B
Cleanup Date: 11/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.52	1.67	5	A
Lindane	ND		ug/kg	3.55	1.59	5	A
Alpha-BHC	ND		ug/kg	3.55	1.01	5	A
Beta-BHC	ND		ug/kg	8.52	3.23	5	A
Heptachlor	ND		ug/kg	4.26	1.91	5	A
Aldrin	ND		ug/kg	8.52	3.00	5	A
Heptachlor epoxide	ND		ug/kg	16.0	4.79	5	A
Endrin	ND		ug/kg	3.55	1.46	5	A
Endrin aldehyde	ND		ug/kg	10.6	3.73	5	A
Endrin ketone	ND		ug/kg	8.52	2.19	5	A
Dieldrin	ND		ug/kg	5.32	2.66	5	A
4,4'-DDE	ND		ug/kg	8.52	1.97	5	A
4,4'-DDD	ND		ug/kg	8.52	3.04	5	A
4,4'-DDT	ND		ug/kg	16.0	6.85	5	A
Endosulfan I	ND		ug/kg	8.52	2.01	5	A
Endosulfan II	ND		ug/kg	8.52	2.85	5	A
Endosulfan sulfate	ND		ug/kg	3.55	1.69	5	A
Methoxychlor	ND		ug/kg	16.0	4.97	5	A
Toxaphene	ND		ug/kg	160	44.7	5	A
cis-Chlordane	ND		ug/kg	10.6	2.97	5	A
trans-Chlordane	ND		ug/kg	10.6	2.81	5	A
Chlordane	ND		ug/kg	71.0	28.2	5	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05 D
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	**220**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	**878**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/08/21 11:50
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 11/05/21 11:34

Methylation Date: 11/06/21 22:01

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1567688-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.07	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.35	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	52		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/09/21 13:22
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 17:52
Cleanup Method: EPA 3620B
Cleanup Date: 11/05/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1568609-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.7	5.04	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/09/21 13:22
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 17:52
Cleanup Method: EPA 3620B
Cleanup Date: 11/05/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05 Batch: WG1568609-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567688-2 WG1567688-3									
2,4-D	61		60		30-150	2		30	A
2,4,5-T	55		56		30-150	2		30	A
2,4,5-TP (Silvex)	55		55		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	63		66		30-150	A
DCAA	53		56		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1568609-2 WG1568609-3									
Delta-BHC	64		74		30-150	14		30	A
Lindane	71		84		30-150	17		30	A
Alpha-BHC	70		81		30-150	15		30	A
Beta-BHC	68		80		30-150	16		30	A
Heptachlor	75		86		30-150	14		30	A
Aldrin	68		79		30-150	15		30	A
Heptachlor epoxide	66		74		30-150	11		30	A
Endrin	70		80		30-150	13		30	A
Endrin aldehyde	43		51		30-150	17		30	A
Endrin ketone	74		86		30-150	15		30	A
Dieldrin	72		82		30-150	13		30	A
4,4'-DDE	70		76		30-150	8		30	A
4,4'-DDD	94		84		30-150	11		30	A
4,4'-DDT	75		84		30-150	11		30	A
Endosulfan I	65		74		30-150	13		30	A
Endosulfan II	68		78		30-150	14		30	A
Endosulfan sulfate	62		73		30-150	16		30	A
Methoxychlor	74		84		30-150	13		30	A
cis-Chlordane	58		66		30-150	13		30	A
trans-Chlordane	70		79		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1568609-2 WG1568609-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		65		30-150	A
Decachlorobiphenyl	80		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	B
Decachlorobiphenyl	104		100		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567688-4 WG1567688-5 QC Sample: L2160379-02 Client ID: EP28_2													
2,4-D	ND	181	96.9J	54		106J	58		30-150	9		30	A
2,4,5-T	ND	181	100J	55		109J	60		30-150	9		30	A
2,4,5-TP (Silvex)	ND	181	100J	55		112J	61		30-150	11		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	66		71		30-150	A
DCAA	55		62		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1568609-4 WG1568609-5 QC Sample: L2160379-02 Client ID: EP28_2													
Delta-BHC	ND	36.2	22.7	63		18.2	52		30-150	22		50	A
Lindane	ND	36.2	24.8	69		20.4	59		30-150	19		50	A
Alpha-BHC	ND	36.2	24.5	68		20.0	57		30-150	20		50	A
Beta-BHC	ND	36.2	20.6	57		17.1	49		30-150	19		50	A
Heptachlor	ND	36.2	26.8	74		21.3	61		30-150	23		50	A
Aldrin	ND	36.2	23.8	66		18.9	54		30-150	23		50	A
Heptachlor epoxide	ND	36.2	24.4	67		19.4	56		30-150	23		50	A
Endrin	ND	36.2	30.1	83		23.3	67		30-150	25		50	A
Endrin aldehyde	ND	36.2	22.8	63		17.9	51		30-150	24		50	A
Endrin ketone	ND	36.2	40.2	111		28.9	83		30-150	33		50	A
Dieldrin	ND	36.2	24.9	69		20.6	59		30-150	19		50	A
4,4'-DDE	ND	36.2	23.1	64		18.2	52		30-150	24		50	A
4,4'-DDD	ND	36.2	28.3	78		22.1	64		30-150	25		50	A
4,4'-DDT	ND	36.2	39.9	110		27.2	78		30-150	38		50	A
Endosulfan I	ND	36.2	26.3	73		19.6	56		30-150	29		50	A
Endosulfan II	ND	36.2	24.5	68		20.0	57		30-150	20		50	A
Endosulfan sulfate	ND	36.2	23.1	64		18.2	52		30-150	24		50	A
Methoxychlor	ND	36.2	48.0	133		34.6	99		30-150	32		50	A
cis-Chlordane	ND	36.2	19.9	55		17.9	51		30-150	11		50	A
trans-Chlordane	ND	36.2	23.6	65		18.9	54		30-150	22		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1568609-4 WG1568609-5 QC Sample: L2160379-02 Client ID: EP28_2

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		55		30-150	A
Decachlorobiphenyl	102		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		63		30-150	B
Decachlorobiphenyl	**298**	Q	**172**	Q	30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY
Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4810		mg/kg	8.57	2.31	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Antimony, Total	1.57	J	mg/kg	4.28	0.326	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Arsenic, Total	7.20		mg/kg	0.857	0.178	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Barium, Total	94.2		mg/kg	0.857	0.149	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Beryllium, Total	0.334	J	mg/kg	0.428	0.028	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Cadmium, Total	1.21		mg/kg	0.857	0.084	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Calcium, Total	7960		mg/kg	8.57	3.00	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Chromium, Total	13.4		mg/kg	0.857	0.082	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Cobalt, Total	9.47		mg/kg	1.71	0.142	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Copper, Total	52.9		mg/kg	0.857	0.221	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Iron, Total	22000		mg/kg	4.28	0.774	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Lead, Total	872		mg/kg	4.28	0.230	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Magnesium, Total	2360		mg/kg	8.57	1.32	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Manganese, Total	232		mg/kg	0.857	0.136	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Mercury, Total	0.492		mg/kg	0.077	0.050	1	11/08/21 14:45	11/08/21 18:03	EPA 7471B	1,7471B	AC
Nickel, Total	19.0		mg/kg	2.14	0.207	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Potassium, Total	691		mg/kg	214	12.3	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Selenium, Total	1.21	J	mg/kg	1.71	0.221	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.857	0.242	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Sodium, Total	150	J	mg/kg	171	2.70	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.71	0.270	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Vanadium, Total	19.6		mg/kg	0.857	0.174	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
Zinc, Total	528		mg/kg	4.28	0.251	2	11/05/21 08:30	11/05/21 15:59	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.89	0.89	1		11/06/21 08:30	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY
Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5320		mg/kg	8.36	2.26	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Antimony, Total	1.60	J	mg/kg	4.18	0.318	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Arsenic, Total	8.40		mg/kg	0.836	0.174	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Barium, Total	104		mg/kg	0.836	0.146	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Beryllium, Total	0.318	J	mg/kg	0.418	0.028	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Cadmium, Total	0.987		mg/kg	0.836	0.082	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Calcium, Total	9000		mg/kg	8.36	2.93	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Chromium, Total	12.5		mg/kg	0.836	0.080	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Cobalt, Total	9.59		mg/kg	1.67	0.139	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Copper, Total	65.0		mg/kg	0.836	0.216	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Iron, Total	22200		mg/kg	4.18	0.755	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Lead, Total	380		mg/kg	4.18	0.224	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Magnesium, Total	2280		mg/kg	8.36	1.29	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Manganese, Total	269		mg/kg	0.836	0.133	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Mercury, Total	1.16		mg/kg	0.070	0.046	1	11/08/21 14:45	11/08/21 16:21	EPA 7471B	1,7471B	AC
Nickel, Total	20.0		mg/kg	2.09	0.202	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Potassium, Total	638		mg/kg	209	12.0	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Selenium, Total	1.30	J	mg/kg	1.67	0.216	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.836	0.237	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Sodium, Total	166	J	mg/kg	167	2.63	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Thallium, Total	0.284	J	mg/kg	1.67	0.263	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Vanadium, Total	20.0		mg/kg	0.836	0.170	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
Zinc, Total	191		mg/kg	4.18	0.245	2	11/05/21 08:30	11/05/21 13:34	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.89	0.89	1		11/06/21 08:30	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY
Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5220		mg/kg	8.54	2.30	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Antimony, Total	2.16	J	mg/kg	4.27	0.324	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Arsenic, Total	9.62		mg/kg	0.854	0.178	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Barium, Total	79.0		mg/kg	0.854	0.148	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Beryllium, Total	0.324	J	mg/kg	0.427	0.028	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Cadmium, Total	1.14		mg/kg	0.854	0.084	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Calcium, Total	21200		mg/kg	8.54	2.99	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Chromium, Total	94.8		mg/kg	0.854	0.082	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Cobalt, Total	11.9		mg/kg	1.71	0.142	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Copper, Total	58.4		mg/kg	0.854	0.220	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Iron, Total	23600		mg/kg	4.27	0.771	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Lead, Total	295		mg/kg	4.27	0.229	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Magnesium, Total	10200		mg/kg	8.54	1.31	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Manganese, Total	397		mg/kg	0.854	0.136	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Mercury, Total	0.320		mg/kg	0.072	0.047	1	11/08/21 14:45	11/08/21 18:06	EPA 7471B	1,7471B	AC
Nickel, Total	23.3		mg/kg	2.13	0.207	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Potassium, Total	678		mg/kg	213	12.3	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Selenium, Total	1.27	J	mg/kg	1.71	0.220	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.854	0.242	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Sodium, Total	96.6	J	mg/kg	171	2.69	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.71	0.269	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Vanadium, Total	18.3		mg/kg	0.854	0.173	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
Zinc, Total	154		mg/kg	4.27	0.250	2	11/05/21 08:30	11/05/21 16:03	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	95		mg/kg	0.88	0.88	1		11/06/21 08:30	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY
Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5180		mg/kg	8.76	2.36	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Antimony, Total	3.62	J	mg/kg	4.38	0.333	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Arsenic, Total	26.6		mg/kg	0.876	0.182	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Barium, Total	154		mg/kg	0.876	0.152	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Beryllium, Total	0.324	J	mg/kg	0.438	0.029	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Cadmium, Total	2.84		mg/kg	0.876	0.086	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Calcium, Total	20500		mg/kg	8.76	3.07	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Chromium, Total	18.5		mg/kg	0.876	0.084	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Cobalt, Total	17.0		mg/kg	1.75	0.145	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Copper, Total	106		mg/kg	0.876	0.226	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Iron, Total	53300		mg/kg	4.38	0.791	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Lead, Total	442		mg/kg	4.38	0.235	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Magnesium, Total	3780		mg/kg	8.76	1.35	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Manganese, Total	460		mg/kg	0.876	0.139	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Mercury, Total	0.426		mg/kg	0.089	0.058	1	11/08/21 14:45	11/08/21 18:10	EPA 7471B	1,7471B	AC
Nickel, Total	33.2		mg/kg	2.19	0.212	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Potassium, Total	656		mg/kg	219	12.6	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Selenium, Total	2.65		mg/kg	1.75	0.226	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.876	0.248	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Sodium, Total	186		mg/kg	175	2.76	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.75	0.276	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Vanadium, Total	25.0		mg/kg	0.876	0.178	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
Zinc, Total	361		mg/kg	4.38	0.257	2	11/05/21 08:30	11/05/21 16:08	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18		mg/kg	0.90	0.91	1		11/06/21 08:30	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2160379

Project Number: 170229024 **Report Date:** 11/15/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1567324-1										
Aluminum, Total	1.76	J	mg/kg	4.00	1.08	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Barium, Total	0.088	J	mg/kg	0.400	0.070	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Beryllium, Total	0.020	J	mg/kg	0.200	0.013	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Cadmium, Total	0.072	J	mg/kg	0.400	0.039	1	11/05/21 08:30	11/05/21 17:30	1,6010D	SV
Calcium, Total	3.40	J	mg/kg	4.00	1.40	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/05/21 08:30	11/05/21 17:30	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Iron, Total	2.95		mg/kg	2.00	0.361	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Lead, Total	0.124	J	mg/kg	2.00	0.107	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Magnesium, Total	1.01	J	mg/kg	4.00	0.616	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Manganese, Total	0.104	J	mg/kg	0.400	0.064	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Sodium, Total	2.26	J	mg/kg	80.0	1.26	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/05/21 08:30	11/05/21 14:05	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1568529-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/08/21 14:45	11/08/21 16:14	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1567324-2 SRM Lot Number: D109-540								
Aluminum, Total	76		-		50-150	-		
Antimony, Total	170		-		19-250	-		
Arsenic, Total	100		-		70-130	-		
Barium, Total	95		-		75-125	-		
Beryllium, Total	100		-		75-125	-		
Cadmium, Total	109		-		75-125	-		
Calcium, Total	90		-		73-128	-		
Chromium, Total	106		-		70-130	-		
Cobalt, Total	103		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	96		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	86		-		62-138	-		
Manganese, Total	90		-		74-126	-		
Nickel, Total	108		-		70-130	-		
Potassium, Total	94		-		59-141	-		
Selenium, Total	99		-		68-132	-		
Silver, Total	92		-		68-131	-		
Sodium, Total	103		-		35-165	-		
Thallium, Total	106		-		68-131	-		
Vanadium, Total	98		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1567324-2 SRM Lot Number: D109-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1568529-2 SRM Lot Number: D109-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567324-3 WG1567324-4 QC Sample: L2160379-02 Client ID: EP28_2												
Aluminum, Total	5320	174	6090	**443**	Q	6090	**453**	Q	75-125	0		20
Antimony, Total	1.60J	43.4	37.9	87		35.9	84		75-125	5		20
Arsenic, Total	8.40	10.4	18.6	98		18.6	100		75-125	0		20
Barium, Total	104	174	263	91		277	102		75-125	5		20
Beryllium, Total	0.318J	4.34	4.17	96		3.97	93		75-125	5		20
Cadmium, Total	0.987	4.6	4.88	84		4.76	84		75-125	2		20
Calcium, Total	9000	869	9880	101		7960	**0**	Q	75-125	**22**	Q	20
Chromium, Total	12.5	17.4	31.7	110		27.2	86		75-125	15		20
Cobalt, Total	9.59	43.4	44.8	81		41.7	76		75-125	7		20
Copper, Total	65.0	21.7	129	**294**	Q	97.2	**152**	Q	75-125	**28**	Q	20
Iron, Total	22200	86.9	23200	**1150**	Q	23100	**1060**	Q	75-125	0		20
Lead, Total	380	46	413	**72**	Q	441	**135**	Q	75-125	7		20
Magnesium, Total	2280	869	2910	**72**	Q	2820	**64**	Q	75-125	3		20
Manganese, Total	269	43.4	338	**159**	Q	364	**224**	Q	75-125	7		20
Nickel, Total	20.0	43.4	58.6	89		55.9	84		75-125	5		20
Potassium, Total	638	869	1590	110		1520	104		75-125	5		20
Selenium, Total	1.30J	10.4	10.2	98		9.98	98		75-125	2		20
Silver, Total	ND	26.1	23.8	91		22.9	90		75-125	4		20
Sodium, Total	166J	869	1050	121		1020	120		75-125	3		20
Thallium, Total	0.284J	10.4	9.26	89		8.68	85		75-125	6		20
Vanadium, Total	20.0	43.4	60.6	93		59.4	93		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567324-3 WG1567324-4 QC Sample: L2160379-02 Client ID: EP28_2											
Zinc, Total	191	43.4	258	**154**	Q	274	**195**	Q	75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1568529-3 WG1568529-4 QC Sample: L2160379-02 Client ID: EP28_2											
Mercury, Total	1.16	0.18	0.715	**0**	Q	0.753	**0**	Q	80-120	5	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567324-6 QC Sample: L2160379-02 Client ID: EP28_2						
Aluminum, Total	5320	5960	mg/kg	12		20
Barium, Total	104	114	mg/kg	10		20
Calcium, Total	9000	10100	mg/kg	12		20
Copper, Total	65.0	69.6	mg/kg	7		20
Iron, Total	22200	25900	mg/kg	17		20
Lead, Total	380	416	mg/kg	9		20
Magnesium, Total	2280	2590	mg/kg	14		20
Manganese, Total	269	305	mg/kg	13		20
Zinc, Total	191	209	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-01
Client ID: EP27_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 08:50
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	11/04/21 19:29	121,2540G	SB
Cyanide, Total	0.33	J	mg/kg	1.1	0.22	1	11/05/21 08:30	11/09/21 13:09	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.893	0.178	1	11/05/21 10:20	11/06/21 08:30	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-02
Client ID: EP28_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 08:40
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	11/04/21 19:29	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/05/21 08:30	11/09/21 13:10	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.890	0.178	1	11/05/21 10:20	11/06/21 08:30	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-03
Client ID: EP34_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	11/04/21 19:29	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/05/21 08:30	11/09/21 13:12	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	11/05/21 10:20	11/06/21 08:30	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

SAMPLE RESULTS

Lab ID: L2160379-05
Client ID: EPDUP02_110321
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 00:00
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	11/04/21 19:29	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/05/21 08:30	11/09/21 13:13	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.905	0.181	1	11/05/21 10:20	11/06/21 08:30	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2160379
Report Date: 11/15/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05 Batch: WG1567259-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/05/21 10:20	11/06/21 08:30	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-03,05 Batch: WG1567454-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	11/05/21 08:30	11/09/21 13:05	1,9010C/9012B	CS

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567259-2								
Chromium, Hexavalent	87		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1567454-2 WG1567454-3								
Cyanide, Total	**60**	Q	**68**	Q	80-120	4		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567259-4 WG1567259-5 QC Sample: L2160379-02 Client ID: EP28_2												
Chromium, Hexavalent	ND	866	690	80		758	87		75-125	9		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567454-4 WG1567454-5 QC Sample: L2160396-05 Client ID: MS Sample												
Cyanide, Total	ND	10	8.8	87		8.8	87		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2160379

Report Date: 11/15/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567259-7 QC Sample: L2160379-02 Client ID: EP28_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05 QC Batch ID: WG1567383-1 QC Sample: L2160379-02 Client ID: EP28_2						
Solids, Total	89.9	82.4	%	9		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160379-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-01B	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-01C	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-01E	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2160379-01G	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-01H	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-01I	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-02A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-02A1	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-02A2	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-02B	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02B1	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02B2	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02C	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02C1	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02C2	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-02D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-02D1	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2160379
Report Date: 11/15/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160379-02D2	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2160379-02E	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-02E1	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2160379-02E2	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2160379-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2160379-02F1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2160379-02F2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2160379-02G	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02G1	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02G2	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02H	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02H1	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02H2	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-02I	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-02I1	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-02I2	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-03B	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-03C	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160379-03D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-03E	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2160379-03G	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-03H	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-03I	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-04A	Plastic 250ml unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2160379-05A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2160379-05B	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-05C	Vial water preserved	A	NA		2.6	Y	Absent	04-NOV-21 11:11	NYTCL-8260HLW(14)
L2160379-05D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-05E	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TCN-9010(14),TS(7)
L2160379-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2160379-05G	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-05H	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2160379-05I	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/3/21

ALPHA Job #: L2160379

Client Information

Client: Langan DPC
Address: 360 W 31th Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: Wkim @ Langan.com

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn, NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metal/Hex Tri	PFAS	1,4-dioxane		Sample Specific Comments	Total Bottle
60379-01	EP27_2	11/3/2021	08:50	Soil	VMP	X	X	X	X	X	X	X			
-02	EP28_2	↓	08:40	↓	↓	X	X	X	X	X	X	X			
-03	EP34_2	↓	08:30	↓	↓	X	X	X	X	X	X	X			
-04	PFB18_110321	↓	13:00	AQ	↓						X	X			
-02	EP28_2_MS02	↓	08:42	Soil	↓	X	X	X	X	X	X	X			
-02	EP28_2_MSD02	↓	08:44	↓	↓	X	X	X	X	X	X	X			
-05	EPDUP02_110321	↓	—	↓	↓	X	X	X	X	X	X	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] Langan	11/3/21 14:40	[signature]	11/3/21 14:40
[signature]	11/3/21 18:08	[signature] AAL	11/3 1430
[signature] AAL	11/3 2330	[signature]	11/3/21 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2161589
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	11/24/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2161589-01	EPSW14	SOIL	BROOKLYN, NY	11/09/21 07:30	11/09/21
L2161589-02	EPSW13	SOIL	BROOKLYN, NY	11/09/21 07:40	11/09/21
L2161589-03	EPSW12	SOIL	BROOKLYN, NY	11/09/21 07:50	11/09/21
L2161589-04	PFB19_110921	WATER	BROOKLYN, NY	11/09/21 11:00	11/09/21
L2161589-05	EPFB01_110921	WATER	BROOKLYN, NY	11/09/21 11:10	11/09/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

Case Narrative (continued)

Report Submission

November 24, 2021: This final report includes the results of all requested analyses.

November 15, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2161589-01D through -03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1569856-3 LCSD recovery, associated with L2161589-01D, -02D, and -03D, is below the acceptance criteria for benzoic acid (6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2161589-02 and -04: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2161589-03: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

The Extracted Internal Standard recovery for the WG1570544-1 Method Blank, associated with L2161589-01 through -03, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the method blank is non-detect for all associated target analytes; therefore, no further action was taken.

Pesticides

L2161589-01D and -03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589
Project Number: 170229024 **Report Date:** 11/24/21

Case Narrative (continued)

Total Metals

L2161589-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1571605-4 Insoluble MS recovery for chromium, hexavalent (70%), performed on L2161589-03, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (37%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 86%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/24/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 Date Collected: 11/09/21 07:30
Client ID: EPSW14 Date Received: 11/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/14/21 20:07
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.77	0.30	1
Chlorobenzene	ND		ug/kg	0.77	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.26	1
Bromodichloromethane	ND		ug/kg	0.77	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.77	0.24	1
Bromoform	ND		ug/kg	6.1	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.25	1
Benzene	ND		ug/kg	0.77	0.25	1
Toluene	ND		ug/kg	1.5	0.83	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.1	0.89	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.1	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 Date Collected: 11/09/21 07:30

Client ID: EPSW14 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.86	1
o-Xylene	ND		ug/kg	1.5	0.45	1
Xylenes, Total	ND		ug/kg	1.5	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.4	1
Carbon disulfide	ND		ug/kg	15	7.0	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.29	1
p-Chlorotoluene	ND		ug/kg	3.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	ND		ug/kg	6.1	1.0	1
Acrylonitrile	ND		ug/kg	6.1	1.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 Date Collected: 11/09/21 07:30

Client ID: EPSW14 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.51	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.27	1
p-Ethyltoluene	ND		ug/kg	3.1	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.29	1
Ethyl ether	ND		ug/kg	3.1	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	108		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/14/21 20:32
Analyst: JC
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 Date Collected: 11/09/21 07:40

Client ID: EPSW13 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 Date Collected: 11/09/21 07:40

Client ID: EPSW13 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	107		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 Date Collected: 11/09/21 07:50
Client ID: EPSW12 Date Received: 11/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/14/21 20:57
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.73	0.29	1
Chlorobenzene	ND		ug/kg	0.73	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	1.3	J	ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 Date Collected: 11/09/21 07:50

Client ID: EPSW12 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	ND		ug/kg	15	7.0	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	ND		ug/kg	15	3.2	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.73	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.24	1
sec-Butylbenzene	ND		ug/kg	1.5	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.9	0.95	1
Acrylonitrile	ND		ug/kg	5.9	1.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 Date Collected: 11/09/21 07:50

Client ID: EPSW12 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	107		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/12/21 11:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05 Date Collected: 11/09/21 11:10

Client ID: EPFB01_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05 Date Collected: 11/09/21 11:10

Client ID: EPFB01_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	115		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/12/21 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1570675-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/12/21 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1570675-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/12/21 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1570675-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	118		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1571414-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1571414-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	3.5	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 18:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1571414-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1570675-3 WG1570675-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	92		96		63-132	4		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	90		97		63-130	7		20
1,1,2-Trichloroethane	90		98		70-130	9		20
Tetrachloroethene	96		98		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	86		93		70-130	8		20
cis-1,3-Dichloropropene	91		95		70-130	4		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	77		86		54-136	11		20
1,1,2,2-Tetrachloroethane	92		100		67-130	8		20
Benzene	100		100		70-130	0		20
Toluene	98		100		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	97		92		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1570675-3 WG1570675-4								
Vinyl chloride	110		120		55-140	9		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	88		98		63-130	11		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	97		100		70-130	3		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	120		110		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	98		110		70-130	12		20
4-Methyl-2-pentanone	82		97		59-130	17		20
2-Hexanone	92		110		57-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1570675-3 WG1570675-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	97		98		63-133	1		20
1,2-Dibromoethane	91		99		70-130	8		20
1,3-Dichloropropane	96		100		70-130	4		20
1,1,1,2-Tetrachloroethane	87		90		64-130	3		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	98		98		70-130	0		20
o-Chlorotoluene	98		99		70-130	1		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	84		92		41-144	9		20
Hexachlorobutadiene	88		87		63-130	1		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	98		99		70-130	1		20
Naphthalene	84		95		70-130	12		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	90		96		70-130	6		20
1,2,4-Trichlorobenzene	90		95		70-130	5		20
1,3,5-Trimethylbenzene	96		97		64-130	1		20
1,2,4-Trimethylbenzene	94		96		70-130	2		20
1,4-Dioxane	96		98		56-162	2		20
p-Diethylbenzene	97		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1570675-3 WG1570675-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	96		110		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		116		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1571414-3 WG1571414-4								
Methylene chloride	91		87		70-130	4		30
1,1-Dichloroethane	96		88		70-130	9		30
Chloroform	94		87		70-130	8		30
Carbon tetrachloride	113		99		70-130	13		30
1,2-Dichloropropane	95		90		70-130	5		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	97		97		70-130	0		30
Tetrachloroethene	106		95		70-130	11		30
Chlorobenzene	104		97		70-130	7		30
Trichlorofluoromethane	89		**69**	Q	70-139	25		30
1,2-Dichloroethane	91		89		70-130	2		30
1,1,1-Trichloroethane	109		98		70-130	11		30
Bromodichloromethane	102		97		70-130	5		30
trans-1,3-Dichloropropene	105		102		70-130	3		30
cis-1,3-Dichloropropene	102		98		70-130	4		30
1,1-Dichloropropene	104		93		70-130	11		30
Bromoform	97		95		70-130	2		30
1,1,2,2-Tetrachloroethane	100		100		70-130	0		30
Benzene	99		90		70-130	10		30
Toluene	102		93		70-130	9		30
Ethylbenzene	103		92		70-130	11		30
Chloromethane	92		82		52-130	11		30
Bromomethane	96		85		57-147	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1571414-3 WG1571414-4								
Vinyl chloride	91		82		67-130	10		30
Chloroethane	93		86		50-151	8		30
1,1-Dichloroethene	102		92		65-135	10		30
trans-1,2-Dichloroethene	100		90		70-130	11		30
Trichloroethene	103		93		70-130	10		30
1,2-Dichlorobenzene	102		95		70-130	7		30
1,3-Dichlorobenzene	105		94		70-130	11		30
1,4-Dichlorobenzene	103		93		70-130	10		30
Methyl tert butyl ether	91		93		66-130	2		30
p/m-Xylene	108		96		70-130	12		30
o-Xylene	106		95		70-130	11		30
cis-1,2-Dichloroethene	99		92		70-130	7		30
Dibromomethane	97		96		70-130	1		30
Styrene	94		84		70-130	11		30
Dichlorodifluoromethane	87		78		30-146	11		30
Acetone	100		105		54-140	5		30
Carbon disulfide	90		80		59-130	12		30
2-Butanone	97		102		70-130	5		30
Vinyl acetate	108		107		70-130	1		30
4-Methyl-2-pentanone	91		99		70-130	8		30
1,2,3-Trichloropropane	93		94		68-130	1		30
2-Hexanone	90		97		70-130	7		30
Bromochloromethane	100		97		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1571414-3 WG1571414-4								
2,2-Dichloropropane	106		95		70-130	11		30
1,2-Dibromoethane	102		105		70-130	3		30
1,3-Dichloropropane	96		95		69-130	1		30
1,1,1,2-Tetrachloroethane	110		104		70-130	6		30
Bromobenzene	98		90		70-130	9		30
n-Butylbenzene	112		95		70-130	16		30
sec-Butylbenzene	112		95		70-130	16		30
tert-Butylbenzene	109		95		70-130	14		30
o-Chlorotoluene	104		92		70-130	12		30
p-Chlorotoluene	103		92		70-130	11		30
1,2-Dibromo-3-chloropropane	105		105		68-130	0		30
Hexachlorobutadiene	105		89		67-130	16		30
Isopropylbenzene	107		93		70-130	14		30
p-Isopropyltoluene	112		96		70-130	15		30
Naphthalene	102		102		70-130	0		30
Acrylonitrile	95		103		70-130	8		30
n-Propylbenzene	106		92		70-130	14		30
1,2,3-Trichlorobenzene	100		94		70-130	6		30
1,2,4-Trichlorobenzene	105		95		70-130	10		30
1,3,5-Trimethylbenzene	106		92		70-130	14		30
1,2,4-Trimethylbenzene	104		91		70-130	13		30
1,4-Dioxane	103		113		65-136	9		30
p-Diethylbenzene	112		95		70-130	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1571414-3 WG1571414-4								
p-Ethyltoluene	106		93		70-130	13		30
1,2,4,5-Tetramethylbenzene	110		96		70-130	14		30
Ethyl ether	90		92		67-130	2		30
trans-1,4-Dichloro-2-butene	99		103		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		102		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	104		105		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Lab Number: L2161589
Project Number: 170229024
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/21 09:45
Analyst: HT
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.160	J	ng/g	0.524	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.087	J	ng/g	0.524	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.072	J	ng/g	0.524	0.055	1
Perfluoroheptanoic Acid (PFHpA)	0.066	J	ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.063	1
Perfluorooctanoic Acid (PFOA)	0.376		ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.524	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.524	0.143	1
Perfluorononanoic Acid (PFNA)	0.118	JF	ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	2.61		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	0.10	J	ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.524	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.524	0.211	1
Perfluoroundecanoic Acid (PFUnA)	0.075	JF	ng/g	0.524	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.524	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.524	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.524	0.089	1
Perfluorododecanoic Acid (PFDoA)	0.090	JF	ng/g	0.524	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.524	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.524	0.057	1
PFOA/PFOS, Total	2.99		ng/g	0.262	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 Date Collected: 11/09/21 07:30

Client ID: EPSW14 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 D
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/15/21 12:26
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	690	89.	5
1,2,4-Trichlorobenzene	ND		ug/kg	860	99.	5
Hexachlorobenzene	ND		ug/kg	520	96.	5
Bis(2-chloroethyl)ether	ND		ug/kg	780	120	5
2-Chloronaphthalene	ND		ug/kg	860	86.	5
1,2-Dichlorobenzene	ND		ug/kg	860	150	5
1,3-Dichlorobenzene	ND		ug/kg	860	150	5
1,4-Dichlorobenzene	ND		ug/kg	860	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	860	230	5
2,4-Dinitrotoluene	ND		ug/kg	860	170	5
2,6-Dinitrotoluene	ND		ug/kg	860	150	5
Fluoranthene	520		ug/kg	520	99.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	860	92.	5
4-Bromophenyl phenyl ether	ND		ug/kg	860	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	930	86.	5
Hexachlorobutadiene	ND		ug/kg	860	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	780	5
Hexachloroethane	ND		ug/kg	690	140	5
Isophorone	ND		ug/kg	780	110	5
Naphthalene	ND		ug/kg	860	100	5
Nitrobenzene	ND		ug/kg	780	130	5
NDPA/DPA	ND		ug/kg	690	98.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	860	130	5
Bis(2-ethylhexyl)phthalate	960		ug/kg	860	300	5
Butyl benzyl phthalate	ND		ug/kg	860	220	5
Di-n-butylphthalate	ND		ug/kg	860	160	5
Di-n-octylphthalate	ND		ug/kg	860	290	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 D Date Collected: 11/09/21 07:30
Client ID: EPSW14 Date Received: 11/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	860	80.	5
Dimethyl phthalate	ND		ug/kg	860	180	5
Benzo(a)anthracene	290	J	ug/kg	520	97.	5
Benzo(a)pyrene	270	J	ug/kg	690	210	5
Benzo(b)fluoranthene	360	J	ug/kg	520	140	5
Benzo(k)fluoranthene	ND		ug/kg	520	140	5
Chrysene	310	J	ug/kg	520	90.	5
Acenaphthylene	ND		ug/kg	690	130	5
Anthracene	ND		ug/kg	520	170	5
Benzo(ghi)perylene	190	J	ug/kg	690	100	5
Fluorene	ND		ug/kg	860	84.	5
Phenanthrene	320	J	ug/kg	520	100	5
Dibenzo(a,h)anthracene	ND		ug/kg	520	100	5
Indeno(1,2,3-cd)pyrene	220	J	ug/kg	690	120	5
Pyrene	460	J	ug/kg	520	86.	5
Biphenyl	ND		ug/kg	2000	200	5
4-Chloroaniline	ND		ug/kg	860	160	5
2-Nitroaniline	ND		ug/kg	860	170	5
3-Nitroaniline	ND		ug/kg	860	160	5
4-Nitroaniline	ND		ug/kg	860	360	5
Dibenzofuran	ND		ug/kg	860	82.	5
2-Methylnaphthalene	ND		ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	860	90.	5
Acetophenone	ND		ug/kg	860	110	5
2,4,6-Trichlorophenol	ND		ug/kg	520	160	5
p-Chloro-m-cresol	ND		ug/kg	860	130	5
2-Chlorophenol	ND		ug/kg	860	100	5
2,4-Dichlorophenol	ND		ug/kg	780	140	5
2,4-Dimethylphenol	ND		ug/kg	860	280	5
2-Nitrophenol	ND		ug/kg	1900	320	5
4-Nitrophenol	ND		ug/kg	1200	350	5
2,4-Dinitrophenol	ND		ug/kg	4100	400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	410	5
Pentachlorophenol	ND		ug/kg	690	190	5
Phenol	ND		ug/kg	860	130	5
2-Methylphenol	ND		ug/kg	860	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 D
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	860	160	5
Benzoic Acid	ND		ug/kg	2800	870	5
Benzyl Alcohol	ND		ug/kg	860	260	5
Carbazole	ND		ug/kg	860	84.	5
1,4-Dioxane	ND		ug/kg	130	40.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	67		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/21 10:18
Analyst: HT
Percent Solids: 97%

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.045	J	ng/g	0.501	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.501	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.501	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061	1
Perfluorooctanoic Acid (PFOA)	0.119	JF	ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.501	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.501	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.828		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	0.220	JF	ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.501	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.501	0.202	1
Perfluoroundecanoic Acid (PFUnA)	0.216	J	ng/g	0.501	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.501	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.501	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.501	0.085	1
Perfluorododecanoic Acid (PFDoA)	0.202	JF	ng/g	0.501	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.501	0.205	1
Perfluorotetradecanoic Acid (PFTA)	0.101	JF	ng/g	0.501	0.054	1
PFOA/PFOS, Total	0.947	J	ng/g	0.250	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 Date Collected: 11/09/21 07:40

Client ID: EPSW13 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**69**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**71**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 D
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/15/21 12:50
Analyst: WR
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	670	87.	5
1,2,4-Trichlorobenzene	ND		ug/kg	840	96.	5
Hexachlorobenzene	ND		ug/kg	500	94.	5
Bis(2-chloroethyl)ether	ND		ug/kg	750	110	5
2-Chloronaphthalene	ND		ug/kg	840	83.	5
1,2-Dichlorobenzene	ND		ug/kg	840	150	5
1,3-Dichlorobenzene	ND		ug/kg	840	140	5
1,4-Dichlorobenzene	ND		ug/kg	840	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	840	220	5
2,4-Dinitrotoluene	ND		ug/kg	840	170	5
2,6-Dinitrotoluene	ND		ug/kg	840	140	5
Fluoranthene	410	J	ug/kg	500	96.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	840	90.	5
4-Bromophenyl phenyl ether	ND		ug/kg	840	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	140	5
Bis(2-chloroethoxy)methane	ND		ug/kg	900	84.	5
Hexachlorobutadiene	ND		ug/kg	840	120	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	760	5
Hexachloroethane	ND		ug/kg	670	140	5
Isophorone	ND		ug/kg	750	110	5
Naphthalene	ND		ug/kg	840	100	5
Nitrobenzene	ND		ug/kg	750	120	5
NDPA/DPA	ND		ug/kg	670	95.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	840	130	5
Bis(2-ethylhexyl)phthalate	650	J	ug/kg	840	290	5
Butyl benzyl phthalate	ND		ug/kg	840	210	5
Di-n-butylphthalate	ND		ug/kg	840	160	5
Di-n-octylphthalate	ND		ug/kg	840	280	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 D Date Collected: 11/09/21 07:40
Client ID: EPSW13 Date Received: 11/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	840	78.	5
Dimethyl phthalate	ND		ug/kg	840	180	5
Benzo(a)anthracene	230	J	ug/kg	500	94.	5
Benzo(a)pyrene	ND		ug/kg	670	200	5
Benzo(b)fluoranthene	260	J	ug/kg	500	140	5
Benzo(k)fluoranthene	ND		ug/kg	500	130	5
Chrysene	200	J	ug/kg	500	87.	5
Acenaphthylene	ND		ug/kg	670	130	5
Anthracene	ND		ug/kg	500	160	5
Benzo(ghi)perylene	130	J	ug/kg	670	98.	5
Fluorene	ND		ug/kg	840	81.	5
Phenanthrene	270	J	ug/kg	500	100	5
Dibenzo(a,h)anthracene	ND		ug/kg	500	97.	5
Indeno(1,2,3-cd)pyrene	150	J	ug/kg	670	120	5
Pyrene	360	J	ug/kg	500	83.	5
Biphenyl	ND		ug/kg	1900	190	5
4-Chloroaniline	ND		ug/kg	840	150	5
2-Nitroaniline	ND		ug/kg	840	160	5
3-Nitroaniline	ND		ug/kg	840	160	5
4-Nitroaniline	ND		ug/kg	840	350	5
Dibenzofuran	ND		ug/kg	840	79.	5
2-Methylnaphthalene	ND		ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	840	88.	5
Acetophenone	ND		ug/kg	840	100	5
2,4,6-Trichlorophenol	ND		ug/kg	500	160	5
p-Chloro-m-cresol	ND		ug/kg	840	120	5
2-Chlorophenol	ND		ug/kg	840	99.	5
2,4-Dichlorophenol	ND		ug/kg	750	130	5
2,4-Dimethylphenol	ND		ug/kg	840	280	5
2-Nitrophenol	ND		ug/kg	1800	320	5
4-Nitrophenol	ND		ug/kg	1200	340	5
2,4-Dinitrophenol	ND		ug/kg	4000	390	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	400	5
Pentachlorophenol	ND		ug/kg	670	180	5
Phenol	ND		ug/kg	840	130	5
2-Methylphenol	ND		ug/kg	840	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	130	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 D
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	840	160	5
Benzoic Acid	ND		ug/kg	2700	850	5
Benzyl Alcohol	ND		ug/kg	840	260	5
Carbazole	ND		ug/kg	840	81.	5
1,4-Dioxane	ND		ug/kg	120	38.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	57		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/21 10:51
Analyst: HT
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.099	J	ng/g	0.503	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.145	J	ng/g	0.503	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.251	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.114	JF	ng/g	0.503	0.053	1
Perfluoroheptanoic Acid (PFHpA)	0.120	JF	ng/g	0.251	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.251	0.061	1
Perfluorooctanoic Acid (PFOA)	0.301	F	ng/g	0.251	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.503	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.503	0.137	1
Perfluorononanoic Acid (PFNA)	0.146	J	ng/g	0.251	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	1.78		ng/g	0.251	0.131	1
Perfluorodecanoic Acid (PFDA)	0.591		ng/g	0.251	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.503	0.289	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.503	0.203	1
Perfluoroundecanoic Acid (PFUnA)	1.01		ng/g	0.503	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.503	0.154	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.246	J	ng/g	0.503	0.085	1
Perfluorododecanoic Acid (PFDoA)	1.03		ng/g	0.503	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	0.650	F	ng/g	0.503	0.206	1
Perfluorotetradecanoic Acid (PFTA)	0.619		ng/g	0.503	0.054	1
PFOA/PFOS, Total	2.08		ng/g	0.251	0.042	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 Date Collected: 11/09/21 07:50

Client ID: EPSW12 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	114		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/24/21 12:29
Analyst: SG
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.503	0.099	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 D
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/15/21 13:13
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340	J	ug/kg	690	89.	5
1,2,4-Trichlorobenzene	ND		ug/kg	860	99.	5
Hexachlorobenzene	ND		ug/kg	520	97.	5
Bis(2-chloroethyl)ether	ND		ug/kg	780	120	5
2-Chloronaphthalene	ND		ug/kg	860	86.	5
1,2-Dichlorobenzene	ND		ug/kg	860	160	5
1,3-Dichlorobenzene	ND		ug/kg	860	150	5
1,4-Dichlorobenzene	ND		ug/kg	860	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	860	230	5
2,4-Dinitrotoluene	ND		ug/kg	860	170	5
2,6-Dinitrotoluene	ND		ug/kg	860	150	5
Fluoranthene	6900		ug/kg	520	99.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	860	92.	5
4-Bromophenyl phenyl ether	ND		ug/kg	860	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	930	86.	5
Hexachlorobutadiene	ND		ug/kg	860	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	780	5
Hexachloroethane	ND		ug/kg	690	140	5
Isophorone	ND		ug/kg	780	110	5
Naphthalene	270	J	ug/kg	860	100	5
Nitrobenzene	ND		ug/kg	780	130	5
NDPA/DPA	ND		ug/kg	690	98.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	860	130	5
Bis(2-ethylhexyl)phthalate	1300		ug/kg	860	300	5
Butyl benzyl phthalate	ND		ug/kg	860	220	5
Di-n-butylphthalate	ND		ug/kg	860	160	5
Di-n-octylphthalate	ND		ug/kg	860	290	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 D Date Collected: 11/09/21 07:50
Client ID: EPSW12 Date Received: 11/09/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	860	80.	5
Dimethyl phthalate	ND		ug/kg	860	180	5
Benzo(a)anthracene	3000		ug/kg	520	97.	5
Benzo(a)pyrene	2300		ug/kg	690	210	5
Benzo(b)fluoranthene	3300		ug/kg	520	140	5
Benzo(k)fluoranthene	1000		ug/kg	520	140	5
Chrysene	3000		ug/kg	520	90.	5
Acenaphthylene	440	J	ug/kg	690	130	5
Anthracene	1100		ug/kg	520	170	5
Benzo(ghi)perylene	1300		ug/kg	690	100	5
Fluorene	360	J	ug/kg	860	84.	5
Phenanthrene	5400		ug/kg	520	100	5
Dibenzo(a,h)anthracene	350	J	ug/kg	520	100	5
Indeno(1,2,3-cd)pyrene	1600		ug/kg	690	120	5
Pyrene	5900		ug/kg	520	86.	5
Biphenyl	ND		ug/kg	2000	200	5
4-Chloroaniline	ND		ug/kg	860	160	5
2-Nitroaniline	ND		ug/kg	860	170	5
3-Nitroaniline	ND		ug/kg	860	160	5
4-Nitroaniline	ND		ug/kg	860	360	5
Dibenzofuran	250	J	ug/kg	860	82.	5
2-Methylnaphthalene	160	J	ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	860	90.	5
Acetophenone	ND		ug/kg	860	110	5
2,4,6-Trichlorophenol	ND		ug/kg	520	160	5
p-Chloro-m-cresol	ND		ug/kg	860	130	5
2-Chlorophenol	ND		ug/kg	860	100	5
2,4-Dichlorophenol	ND		ug/kg	780	140	5
2,4-Dimethylphenol	ND		ug/kg	860	280	5
2-Nitrophenol	ND		ug/kg	1900	320	5
4-Nitrophenol	ND		ug/kg	1200	350	5
2,4-Dinitrophenol	ND		ug/kg	4100	400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	410	5
Pentachlorophenol	ND		ug/kg	690	190	5
Phenol	ND		ug/kg	860	130	5
2-Methylphenol	ND		ug/kg	860	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 D
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	860	160	5
Benzoic Acid	ND		ug/kg	2800	870	5
Benzyl Alcohol	ND		ug/kg	860	260	5
Carbazole	370	J	ug/kg	860	84.	5
1,4-Dioxane	ND		ug/kg	130	40.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	46		18-120

Project Name: 45 COMMERCIAL STREET
Lab Number: L2161589
Project Number: 170229024
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-04
Client ID: PFB19_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:00
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/23/21 15:12
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/14/21 02:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.83	0.373	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.83	0.362	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.83	0.217	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.83	0.300	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.83	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.83	0.344	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.83	0.216	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.83	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.83	0.629	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.83	0.285	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.83	0.460	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.83	0.278	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.592	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.83	0.238	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.83	0.895	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.83	0.530	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.83	0.735	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.340	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.299	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.226	1
PFOA/PFOS, Total	ND		ng/l	1.83	0.216	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-04 Date Collected: 11/09/21 11:00

Client ID: PFB19_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**170**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/11/21 19:36
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05 Date Collected: 11/09/21 11:10

Client ID: EPFB01_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05 Date Collected: 11/09/21 11:10

Client ID: EPFB01_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	44		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/12/21 00:35
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1569856-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/12/21 00:35
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1569856-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/12/21 00:35
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/11/21 02:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1569856-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	85		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/11/21 18:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1569987-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/11/21 18:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1569987-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/11/21 18:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1569987-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	80		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/21 06:10
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1570544-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/21 06:10
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1570544-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	99		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/24/21 12:15
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/12/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1570544-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	96		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/23/21 02:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/14/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1571154-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/23/21 02:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/14/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1571154-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1569856-2 WG1569856-3								
Acenaphthene	74		62		31-137	18		50
1,2,4-Trichlorobenzene	65		56		38-107	15		50
Hexachlorobenzene	68		57		40-140	18		50
Bis(2-chloroethyl)ether	70		60		40-140	15		50
2-Chloronaphthalene	70		59		40-140	17		50
1,2-Dichlorobenzene	65		58		40-140	11		50
1,3-Dichlorobenzene	66		58		40-140	13		50
1,4-Dichlorobenzene	64		59		28-104	8		50
3,3'-Dichlorobenzidine	47		43		40-140	9		50
2,4-Dinitrotoluene	71		60		40-132	17		50
2,6-Dinitrotoluene	70		59		40-140	17		50
Fluoranthene	77		65		40-140	17		50
4-Chlorophenyl phenyl ether	68		57		40-140	18		50
4-Bromophenyl phenyl ether	69		59		40-140	16		50
Bis(2-chloroisopropyl)ether	67		58		40-140	14		50
Bis(2-chloroethoxy)methane	67		58		40-117	14		50
Hexachlorobutadiene	69		58		40-140	17		50
Hexachlorocyclopentadiene	59		50		40-140	17		50
Hexachloroethane	64		58		40-140	10		50
Isophorone	66		57		40-140	15		50
Naphthalene	73		62		40-140	16		50
Nitrobenzene	68		57		40-140	18		50
NDPA/DPA	72		62		36-157	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1569856-2 WG1569856-3								
n-Nitrosodi-n-propylamine	64		56		32-121	13		50
Bis(2-ethylhexyl)phthalate	85		72		40-140	17		50
Butyl benzyl phthalate	82		68		40-140	19		50
Di-n-butylphthalate	82		68		40-140	19		50
Di-n-octylphthalate	87		73		40-140	18		50
Diethyl phthalate	75		63		40-140	17		50
Dimethyl phthalate	71		60		40-140	17		50
Benzo(a)anthracene	73		61		40-140	18		50
Benzo(a)pyrene	72		60		40-140	18		50
Benzo(b)fluoranthene	72		61		40-140	17		50
Benzo(k)fluoranthene	76		62		40-140	20		50
Chrysene	75		64		40-140	16		50
Acenaphthylene	73		61		40-140	18		50
Anthracene	76		64		40-140	17		50
Benzo(ghi)perylene	74		62		40-140	18		50
Fluorene	72		62		40-140	15		50
Phenanthrene	78		66		40-140	17		50
Dibenzo(a,h)anthracene	74		60		40-140	21		50
Indeno(1,2,3-cd)pyrene	76		63		40-140	19		50
Pyrene	76		64		35-142	17		50
Biphenyl	74		62		37-127	18		50
4-Chloroaniline	47		**39**	Q	40-140	19		50
2-Nitroaniline	73		60		47-134	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1569856-2 WG1569856-3								
3-Nitroaniline	60		52		26-129	14		50
4-Nitroaniline	66		56		41-125	16		50
Dibenzofuran	74		63		40-140	16		50
2-Methylnaphthalene	72		62		40-140	15		50
1,2,4,5-Tetrachlorobenzene	74		61		40-117	19		50
Acetophenone	69		61		14-144	12		50
2,4,6-Trichlorophenol	71		61		30-130	15		50
p-Chloro-m-cresol	75		63		26-103	17		50
2-Chlorophenol	72		62		25-102	15		50
2,4-Dichlorophenol	70		61		30-130	14		50
2,4-Dimethylphenol	70		62		30-130	12		50
2-Nitrophenol	62		55		30-130	12		50
4-Nitrophenol	87		72		11-114	19		50
2,4-Dinitrophenol	50		39		4-130	25		50
4,6-Dinitro-o-cresol	65		55		10-130	17		50
Pentachlorophenol	68		56		17-109	19		50
Phenol	71		63		26-90	12		50
2-Methylphenol	72		63		30-130.	13		50
3-Methylphenol/4-Methylphenol	71		62		30-130	14		50
2,4,5-Trichlorophenol	75		62		30-130	19		50
Benzoic Acid	10		**6**	Q	10-110	**53**	Q	50
Benzyl Alcohol	72		62		40-140	15		50
Carbazole	78		66		54-128	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1569856-2 WG1569856-3								
1,4-Dioxane	53		46		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		65		25-120
Phenol-d6	78		66		10-120
Nitrobenzene-d5	65		56		23-120
2-Fluorobiphenyl	73		61		30-120
2,4,6-Tribromophenol	70		57		10-136
4-Terphenyl-d14	77		63		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1569987-2 WG1569987-3								
Acenaphthene	75		64		37-111	16		30
1,2,4-Trichlorobenzene	75		64		39-98	16		30
Hexachlorobenzene	66		59		40-140	11		30
Bis(2-chloroethyl)ether	80		67		40-140	18		30
2-Chloronaphthalene	79		65		40-140	19		30
1,2-Dichlorobenzene	74		62		40-140	18		30
1,3-Dichlorobenzene	72		61		40-140	17		30
1,4-Dichlorobenzene	74		62		36-97	18		30
3,3'-Dichlorobenzidine	60		56		40-140	7		30
2,4-Dinitrotoluene	74		65		48-143	13		30
2,6-Dinitrotoluene	84		67		40-140	23		30
Fluoranthene	72		60		40-140	18		30
4-Chlorophenyl phenyl ether	78		66		40-140	17		30
4-Bromophenyl phenyl ether	76		66		40-140	14		30
Bis(2-chloroisopropyl)ether	118		102		40-140	15		30
Bis(2-chloroethoxy)methane	85		74		40-140	14		30
Hexachlorobutadiene	76		64		40-140	17		30
Hexachlorocyclopentadiene	72		60		40-140	18		30
Hexachloroethane	75		63		40-140	17		30
Isophorone	88		76		40-140	15		30
Naphthalene	76		64		40-140	17		30
Nitrobenzene	82		69		40-140	17		30
NDPA/DPA	79		68		40-140	15		30

Lab Control Sample Analysis

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Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1569987-2 WG1569987-3								
n-Nitrosodi-n-propylamine	94		80		29-132	16		30
Bis(2-ethylhexyl)phthalate	112		95		40-140	16		30
Butyl benzyl phthalate	89		76		40-140	16		30
Di-n-butylphthalate	90		74		40-140	20		30
Di-n-octylphthalate	109		95		40-140	14		30
Diethyl phthalate	86		73		40-140	16		30
Dimethyl phthalate	76		62		40-140	20		30
Benzo(a)anthracene	79		69		40-140	14		30
Benzo(a)pyrene	71		65		40-140	9		30
Benzo(b)fluoranthene	69		65		40-140	6		30
Benzo(k)fluoranthene	76		67		40-140	13		30
Chrysene	75		63		40-140	17		30
Acenaphthylene	82		66		45-123	22		30
Anthracene	76		63		40-140	19		30
Benzo(ghi)perylene	88		68		40-140	26		30
Fluorene	79		67		40-140	16		30
Phenanthrene	74		62		40-140	18		30
Dibenzo(a,h)anthracene	82		64		40-140	25		30
Indeno(1,2,3-cd)pyrene	80		66		40-140	19		30
Pyrene	70		57		26-127	20		30
Biphenyl	84		69		40-140	20		30
4-Chloroaniline	70		65		40-140	7		30
2-Nitroaniline	77		67		52-143	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1569987-2 WG1569987-3								
3-Nitroaniline	71		62		25-145	14		30
4-Nitroaniline	70		67		51-143	4		30
Dibenzofuran	74		64		40-140	14		30
2-Methylnaphthalene	78		63		40-140	21		30
1,2,4,5-Tetrachlorobenzene	76		63		2-134	19		30
Acetophenone	88		75		39-129	16		30
2,4,6-Trichlorophenol	82		61		30-130	29		30
p-Chloro-m-cresol	86		68		23-97	23		30
2-Chlorophenol	81		68		27-123	17		30
2,4-Dichlorophenol	82		70		30-130	16		30
2,4-Dimethylphenol	65		60		30-130	8		30
2-Nitrophenol	81		68		30-130	17		30
4-Nitrophenol	75		56		10-80	29		30
2,4-Dinitrophenol	54		29		20-130	**60**	Q	30
4,6-Dinitro-o-cresol	75		65		20-164	14		30
Pentachlorophenol	70		48		9-103	**37**	Q	30
Phenol	65		56		12-110	15		30
2-Methylphenol	77		66		30-130	15		30
3-Methylphenol/4-Methylphenol	84		72		30-130	15		30
2,4,5-Trichlorophenol	82		61		30-130	29		30
Benzoic Acid	97		57		10-164	**52**	Q	30
Benzyl Alcohol	80		68		26-116	16		30
Carbazole	71		58		55-144	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1569987-2 WG1569987-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		59		21-120
Phenol-d6	63		52		10-120
Nitrobenzene-d5	79		67		23-120
2-Fluorobiphenyl	76		61		15-120
2,4,6-Tribromophenol	63		53		10-120
4-Terphenyl-d14	71		56		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

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Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1570544-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	99		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	114		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	99		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	104		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	125		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	104		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	85		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	120		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	117		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	92		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1570544-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1570544-2					
Perfluorooctanesulfonamide (FOSA)	122		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1571154-2								
Perfluorobutanoic Acid (PFBA)	96		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	96		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	100		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	96		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	97		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	108		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	94		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	75		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	91		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	90		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	90		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1571154-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570544-3 QC Sample: L2161589-01 Client ID: EPSW14												
Perfluorobutanoic Acid (PFBA)	0.160J	5.2	5.39	101		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	0.087J	5.2	5.26	100		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.62	4.44	96		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.072J	5.2	5.43	103		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	0.066J	5.2	5.21	99		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.75	5.07	107		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.376	5.2	5.60	100		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.95	5.30	107		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.95	5.75	116		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	0.118JF	5.2	5.19	98		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	2.61	4.83	9.07	134		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	0.10J	5.2	5.94	112		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.99	3.85	77		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.2	5.35	103		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	0.075JF	5.2	4.90	93		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.01	5.70	114		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.2	5.66F	109		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.2	4.94	95		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	0.090JF	5.2	5.16	98		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.2	6.23	120		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.2	5.34	103		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570544-3 QC Sample: L2161589-01 Client ID: EPSW14

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-3 QC Sample: L2160969-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	4.62	37.5	38.7	91		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	11.8	37.5	47.0	94		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	0.240J	33.3	29.4	88		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.1	32.6	93		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	7.56	37.5	41.4	90		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.2	30.0	85		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	9.59	37.5	43.8	91		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.812J	34.2	33.8	96		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	5.06	37.5	38.4	89		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.39	35.7	34.2	86		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.7	32.1	90		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	0.459JF	37.5	34.8	92		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	1.87	34.8	34.6	94		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.5	34.2	91		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	1.16J	36	21.7	57		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36	30.5	85		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.5	43.5	116		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.5	34.6	92		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	31.8	88		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.5	39.1F	104		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.5	34.1	91		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.5	33.2	89		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-3 QC Sample: L2160969-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.5	43.0	115		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.5	35.3	94		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	365	339F	93		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	35.4	32.1	91		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	37.5	29.8	80		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	37.5	18.2	49		-	-		10-119	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**168**	Q			10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**222**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	81				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	74				10-206

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-3 QC Sample: L2160969-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C4]Butanoic Acid (MPFBA)	95				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570544-4 QC Sample: L2161589-02 Client ID: EPSW13						
Perfluorobutanoic Acid (PFBA)	0.045J	0.040J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.119JF	0.077J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	0.077J	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.828	0.884	ng/g	7		30
Perfluorodecanoic Acid (PFDA)	0.220JF	0.193JF	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	0.216J	0.241J	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	0.202JF	0.187JF	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570544-4 QC Sample: L2161589-02 Client ID: EPSW13						
Perfluorotetradecanoic Acid (PFTA)	0.101JF	0.10J	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		70		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**69**	Q	75		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**71**	Q	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		76		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		84		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		89		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		54		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		65		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		52		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-4 QC Sample: L2160969-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.28J	12.9	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	0.342J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	1.33J	2.48	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-4 QC Sample: L2160969-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		122		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		102		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**161**	Q	**143**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		110		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		107		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		104		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		89		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134		103		10-162

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1571154-4 QC Sample: L2160969-02 Client ID: DUP Sample

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		74		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		83		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		19		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		55		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		82		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		82		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	105		97		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	69		63		10-206

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/12/21 09:56
Analyst: JM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 00:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	127		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	127		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	**208**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/12/21 10:04
Analyst: JM
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 00:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.96	1	A
Aroclor 1221	ND		ug/kg	33.4	3.34	1	A
Aroclor 1232	ND		ug/kg	33.4	7.07	1	A
Aroclor 1242	ND		ug/kg	33.4	4.50	1	A
Aroclor 1248	ND		ug/kg	33.4	5.00	1	A
Aroclor 1254	ND		ug/kg	33.4	3.65	1	A
Aroclor 1260	46.2		ug/kg	33.4	6.16	1	A
Aroclor 1262	ND		ug/kg	33.4	4.24	1	A
Aroclor 1268	ND		ug/kg	33.4	3.46	1	A
PCBs, Total	46.2		ug/kg	33.4	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/12/21 10:12
Analyst: JM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 11/11/21 00:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	3.04	1	A
Aroclor 1221	ND		ug/kg	34.3	3.44	1	A
Aroclor 1232	ND		ug/kg	34.3	7.27	1	A
Aroclor 1242	ND		ug/kg	34.3	4.62	1	A
Aroclor 1248	ND		ug/kg	34.3	5.14	1	A
Aroclor 1254	ND		ug/kg	34.3	3.75	1	A
Aroclor 1260	101		ug/kg	34.3	6.34	1	A
Aroclor 1262	ND		ug/kg	34.3	4.36	1	A
Aroclor 1268	ND		ug/kg	34.3	3.55	1	A
PCBs, Total	101		ug/kg	34.3	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	**179**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/12/21 02:11
Analyst: JWL

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/11/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/11/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/12/21 08:52
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 11/11/21 00:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/12/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/12/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1569853-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.95	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/12/21 02:20
Analyst: JWL

Extraction Method: EPA 3510C
Extraction Date: 11/11/21 07:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/11/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/11/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1569979-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1569853-2 WG1569853-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	70		74		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		73		30-150	A
Decachlorobiphenyl	78		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	76		77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1569979-2 WG1569979-3									
Aroclor 1016	85		86		40-140	1		50	A
Aroclor 1260	87		89		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		74		30-150	A
Decachlorobiphenyl	88		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	B
Decachlorobiphenyl	82		83		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/15/21 15:29
Analyst: EJL
Percent Solids: 94%
Methylation Date: 11/13/21 15:45

Extraction Method: EPA 8151A
Extraction Date: 11/12/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.42	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	31		30-150	A
DCAA	**29**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 D
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/13/21 14:50
Analyst: EJL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/10/21 23:41
Cleanup Method: EPA 3620B
Cleanup Date: 11/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.8	3.28	10	A
Lindane	ND		ug/kg	6.98	3.12	10	A
Alpha-BHC	ND		ug/kg	6.98	1.98	10	A
Beta-BHC	ND		ug/kg	16.8	6.36	10	A
Heptachlor	ND		ug/kg	8.38	3.76	10	A
Aldrin	ND		ug/kg	16.8	5.90	10	A
Heptachlor epoxide	ND		ug/kg	31.4	9.43	10	A
Endrin	ND		ug/kg	6.98	2.86	10	A
Endrin aldehyde	ND		ug/kg	21.0	7.33	10	A
Endrin ketone	ND		ug/kg	16.8	4.32	10	A
Dieldrin	7.96	J	ug/kg	10.5	5.24	10	B
4,4'-DDE	16.3	J	ug/kg	16.8	3.88	10	A
4,4'-DDD	ND		ug/kg	16.8	5.98	10	A
4,4'-DDT	34.6		ug/kg	31.4	13.5	10	B
Endosulfan I	ND		ug/kg	16.8	3.96	10	A
Endosulfan II	ND		ug/kg	16.8	5.60	10	A
Endosulfan sulfate	ND		ug/kg	6.98	3.32	10	A
Methoxychlor	ND		ug/kg	31.4	9.78	10	A
Toxaphene	ND		ug/kg	314	88.0	10	A
cis-Chlordane	ND	IP	ug/kg	21.0	5.84	10	B
trans-Chlordane	8.84	J	ug/kg	21.0	5.53	10	A
Chlordane	ND		ug/kg	140	55.5	10	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01 D
Client ID: EPSW14
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	**218**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/13/21 15:12
Analyst: EJL
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 11/10/21 23:41
Cleanup Method: EPA 3620B
Cleanup Date: 11/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.59	0.312	1	A
Lindane	ND		ug/kg	0.664	0.297	1	A
Alpha-BHC	ND		ug/kg	0.664	0.189	1	A
Beta-BHC	ND		ug/kg	1.59	0.605	1	A
Heptachlor	ND		ug/kg	0.797	0.357	1	A
Aldrin	ND		ug/kg	1.59	0.561	1	A
Heptachlor epoxide	ND		ug/kg	2.99	0.897	1	A
Endrin	ND		ug/kg	0.664	0.272	1	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	1	A
Endrin ketone	ND		ug/kg	1.59	0.411	1	A
Dieldrin	ND		ug/kg	0.997	0.498	1	A
4,4'-DDE	3.51	P	ug/kg	1.59	0.369	1	A
4,4'-DDD	ND		ug/kg	1.59	0.569	1	A
4,4'-DDT	12.4		ug/kg	2.99	1.28	1	B
Endosulfan I	ND		ug/kg	1.59	0.377	1	A
Endosulfan II	ND		ug/kg	1.59	0.533	1	A
Endosulfan sulfate	ND		ug/kg	0.664	0.316	1	A
Methoxychlor	ND		ug/kg	2.99	0.930	1	A
Toxaphene	ND		ug/kg	29.9	8.37	1	A
cis-Chlordane	1.01	JIP	ug/kg	1.99	0.555	1	B
trans-Chlordane	1.24	JIP	ug/kg	1.99	0.526	1	B
Chlordane	ND		ug/kg	13.3	5.28	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02 Date Collected: 11/09/21 07:40

Client ID: EPSW13 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/15/21 15:47
Analyst: EJL
Percent Solids: 97%
Methylation Date: 11/13/21 15:45

Extraction Method: EPA 8151A
Extraction Date: 11/12/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	171	10.7	1	A
2,4,5-T	ND		ug/kg	171	5.29	1	A
2,4,5-TP (Silvex)	ND		ug/kg	171	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**29**	Q	30-150	A
DCAA	33		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/15/21 16:06
Analyst: EJL
Percent Solids: 96%
Methylation Date: 11/13/21 15:45

Extraction Method: EPA 8151A
Extraction Date: 11/12/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	168	10.6	1	A
2,4,5-T	ND		ug/kg	168	5.21	1	A
2,4,5-TP (Silvex)	ND		ug/kg	168	4.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	40		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 D
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/13/21 15:01
Analyst: EJL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 11/10/21 23:41
Cleanup Method: EPA 3620B
Cleanup Date: 11/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.2	3.18	10	A
Lindane	ND		ug/kg	6.76	3.02	10	A
Alpha-BHC	ND		ug/kg	6.76	1.92	10	A
Beta-BHC	ND		ug/kg	16.2	6.15	10	A
Heptachlor	ND		ug/kg	8.11	3.63	10	A
Aldrin	ND		ug/kg	16.2	5.71	10	A
Heptachlor epoxide	ND		ug/kg	30.4	9.12	10	A
Endrin	ND		ug/kg	6.76	2.77	10	A
Endrin aldehyde	ND		ug/kg	20.3	7.09	10	A
Endrin ketone	ND		ug/kg	16.2	4.18	10	A
Dieldrin	ND		ug/kg	10.1	5.07	10	A
4,4'-DDE	ND		ug/kg	16.2	3.75	10	A
4,4'-DDD	6.05	J	ug/kg	16.2	5.78	10	A
4,4'-DDT	33.3		ug/kg	30.4	13.0	10	B
Endosulfan I	ND		ug/kg	16.2	3.83	10	A
Endosulfan II	ND		ug/kg	16.2	5.42	10	A
Endosulfan sulfate	ND		ug/kg	6.76	3.22	10	A
Methoxychlor	ND		ug/kg	30.4	9.46	10	A
Toxaphene	ND		ug/kg	304	85.1	10	A
cis-Chlordane	8.34	J	ug/kg	20.3	5.65	10	A
trans-Chlordane	11.2	J	ug/kg	20.3	5.35	10	A
Chlordane	ND		ug/kg	135	53.7	10	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03 D
Client ID: EPSW12
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	**281**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/11/21 20:44
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 11/10/21 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05 Date Collected: 11/09/21 11:10

Client ID: EPFB01_110921 Date Received: 11/09/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 11/15/21 13:33
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 11/13/21 14:49

Methylation Date: 11/15/21 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	87		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/11/21 07:06
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 11/10/21 00:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1569319-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/11/21 07:06
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 11/10/21 00:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1569319-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/13/21 11:57
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 11/10/21 23:41
Cleanup Method: EPA 3620B
Cleanup Date: 11/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1569843-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.652	0.291	A
Alpha-BHC	ND		ug/kg	0.652	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.593	A
Heptachlor	ND		ug/kg	0.782	0.351	A
Aldrin	ND		ug/kg	1.56	0.551	A
Heptachlor epoxide	ND		ug/kg	2.93	0.880	A
Endrin	ND		ug/kg	0.652	0.267	A
Endrin aldehyde	ND		ug/kg	1.96	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.978	0.489	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.370	A
Endosulfan II	ND		ug/kg	1.56	0.523	A
Endosulfan sulfate	ND		ug/kg	0.652	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.913	A
Toxaphene	ND		ug/kg	29.3	8.21	A
cis-Chlordane	ND		ug/kg	1.96	0.545	A
trans-Chlordane	ND		ug/kg	1.96	0.516	A
Chlordane	ND		ug/kg	13.0	5.18	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/13/21 11:57
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 11/10/21 23:41
Cleanup Method: EPA 3620B
Cleanup Date: 11/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1569843-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/15/21 13:03
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 11/12/21 16:38

Methylation Date: 11/13/21 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1570818-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	71		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/15/21 12:38
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 11/13/21 14:49

Methylation Date: 11/15/21 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 05 Batch: WG1571075-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1569319-2 WG1569319-3									
Delta-BHC	41		48		30-150	17		20	A
Lindane	67		80		30-150	17		20	A
Alpha-BHC	61		73		30-150	18		20	A
Beta-BHC	72		84		30-150	16		20	A
Heptachlor	75		88		30-150	16		20	A
Aldrin	74		90		30-150	20		20	A
Heptachlor epoxide	73		88		30-150	19		20	A
Endrin	76		91		30-150	18		20	A
Endrin aldehyde	69		79		30-150	13		20	A
Endrin ketone	87		97		30-150	11		20	A
Dieldrin	80		96		30-150	18		20	A
4,4'-DDE	80		97		30-150	19		20	A
4,4'-DDD	82		98		30-150	17		20	A
4,4'-DDT	81		96		30-150	17		20	A
Endosulfan I	74		90		30-150	20		20	A
Endosulfan II	80		93		30-150	15		20	A
Endosulfan sulfate	69		82		30-150	18		20	A
Methoxychlor	87		101		30-150	14		20	A
cis-Chlordane	69		84		30-150	20		20	A
trans-Chlordane	69		83		30-150	18		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1569319-2 WG1569319-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		78		30-150	A
Decachlorobiphenyl	67		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		77		30-150	B
Decachlorobiphenyl	65		78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1569843-2 WG1569843-3									
Delta-BHC	56		73		30-150	26		30	A
Lindane	65		86		30-150	28		30	A
Alpha-BHC	53		74		30-150	**33**	Q	30	A
Beta-BHC	63		79		30-150	23		30	A
Heptachlor	76		91		30-150	18		30	A
Aldrin	67		88		30-150	27		30	A
Heptachlor epoxide	52		69		30-150	28		30	A
Endrin	72		87		30-150	19		30	A
Endrin aldehyde	33		51		30-150	**43**	Q	30	A
Endrin ketone	55		74		30-150	29		30	A
Dieldrin	72		90		30-150	22		30	A
4,4'-DDE	65		79		30-150	19		30	A
4,4'-DDD	79		97		30-150	20		30	A
4,4'-DDT	72		88		30-150	20		30	A
Endosulfan I	61		76		30-150	22		30	A
Endosulfan II	66		84		30-150	24		30	A
Endosulfan sulfate	52		68		30-150	27		30	A
Methoxychlor	80		88		30-150	10		30	A
cis-Chlordane	50		64		30-150	25		30	A
trans-Chlordane	77		89		30-150	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1569843-2 WG1569843-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		82		30-150	A
Decachlorobiphenyl	93		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		77		30-150	B
Decachlorobiphenyl	69		89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1570818-2 WG1570818-3									
2,4-D	93		101		30-150	8		30	A
2,4,5-T	92		102		30-150	10		30	A
2,4,5-TP (Silvex)	94		104		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		99		30-150	A
DCAA	78		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1571075-2 WG1571075-3									
2,4-D	86		89		30-150	3		25	A
2,4,5-T	87		90		30-150	3		25	A
2,4,5-TP (Silvex)	93		96		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	107		107		30-150	A
DCAA	96		97		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01
Client ID: EPSW14
Sample Location: BROOKLYN, NY
Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1130		mg/kg	8.33	2.25	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Antimony, Total	0.366	J	mg/kg	4.16	0.316	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Arsenic, Total	7.06		mg/kg	0.833	0.173	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Barium, Total	48.7		mg/kg	0.833	0.145	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Beryllium, Total	0.292	J	mg/kg	0.416	0.028	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Cadmium, Total	1.32		mg/kg	0.833	0.082	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Calcium, Total	151000		mg/kg	416	146.	100	11/11/21 19:19	11/12/21 14:37	EPA 3050B	1,6010D	SV
Chromium, Total	13.8		mg/kg	0.833	0.080	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Cobalt, Total	4.10		mg/kg	1.67	0.138	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Copper, Total	71.1		mg/kg	0.833	0.215	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Iron, Total	8230		mg/kg	4.16	0.752	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Lead, Total	159		mg/kg	4.16	0.223	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Magnesium, Total	85600		mg/kg	416	64.1	100	11/11/21 19:19	11/12/21 14:37	EPA 3050B	1,6010D	SV
Manganese, Total	248		mg/kg	0.833	0.132	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.067	0.044	1	11/11/21 08:50	11/11/21 14:08	EPA 7471B	1,7471B	AC
Nickel, Total	17.1		mg/kg	2.08	0.202	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Potassium, Total	221		mg/kg	208	12.0	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Selenium, Total	1.16	J	mg/kg	1.67	0.215	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Silver, Total	0.258	J	mg/kg	0.833	0.236	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Sodium, Total	129	J	mg/kg	167	2.62	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.67	0.262	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Vanadium, Total	58.0		mg/kg	0.833	0.169	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
Zinc, Total	390		mg/kg	4.16	0.244	2	11/11/21 19:19	11/12/21 10:44	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14	J	mg/kg	0.85	0.85	1		11/15/21 14:11	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY
Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1720		mg/kg	7.92	2.14	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Antimony, Total	0.943	J	mg/kg	3.96	0.301	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Arsenic, Total	4.69		mg/kg	0.792	0.165	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Barium, Total	38.7		mg/kg	0.792	0.138	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Beryllium, Total	0.190	J	mg/kg	0.396	0.026	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Cadmium, Total	1.09		mg/kg	0.792	0.078	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Calcium, Total	125000		mg/kg	396	139.	100	11/11/21 19:19	11/12/21 14:29	EPA 3050B	1,6010D	SV
Chromium, Total	10.0		mg/kg	0.792	0.076	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Cobalt, Total	4.28		mg/kg	1.58	0.132	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Copper, Total	87.8		mg/kg	0.792	0.204	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Iron, Total	7160		mg/kg	3.96	0.715	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Lead, Total	140		mg/kg	3.96	0.212	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Magnesium, Total	68000		mg/kg	396	61.0	100	11/11/21 19:19	11/12/21 14:29	EPA 3050B	1,6010D	SV
Manganese, Total	286		mg/kg	0.792	0.126	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Mercury, Total	0.206		mg/kg	0.065	0.043	1	11/11/21 08:50	11/11/21 14:14	EPA 7471B	1,7471B	AC
Nickel, Total	15.7		mg/kg	1.98	0.192	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Potassium, Total	330		mg/kg	198	11.4	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Selenium, Total	0.943	J	mg/kg	1.58	0.204	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.792	0.224	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Sodium, Total	123	J	mg/kg	158	2.50	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.58	0.250	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Vanadium, Total	26.9		mg/kg	0.792	0.161	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
Zinc, Total	533		mg/kg	3.96	0.232	2	11/11/21 19:19	11/12/21 12:48	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.82	0.82	1		11/15/21 14:11	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY
Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3110		mg/kg	7.99	2.16	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Antimony, Total	7.01		mg/kg	4.00	0.304	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Arsenic, Total	6.89		mg/kg	0.799	0.166	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Barium, Total	70.7		mg/kg	0.799	0.139	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Beryllium, Total	0.192	J	mg/kg	0.400	0.026	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Cadmium, Total	2.10		mg/kg	0.799	0.078	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Calcium, Total	67000		mg/kg	400	140.	100	11/11/21 19:19	11/12/21 14:33	EPA 3050B	1,6010D	SV
Chromium, Total	24.7		mg/kg	0.799	0.077	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Cobalt, Total	6.32		mg/kg	1.60	0.133	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Copper, Total	114		mg/kg	0.799	0.206	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Iron, Total	18200		mg/kg	4.00	0.722	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Lead, Total	350		mg/kg	4.00	0.214	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Magnesium, Total	29700		mg/kg	7.99	1.23	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Manganese, Total	365		mg/kg	0.799	0.127	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Mercury, Total	0.532		mg/kg	0.065	0.043	1	11/11/21 08:50	11/11/21 14:18	EPA 7471B	1,7471B	AC
Nickel, Total	21.4		mg/kg	2.00	0.193	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Potassium, Total	406		mg/kg	200	11.5	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Selenium, Total	1.24	J	mg/kg	1.60	0.206	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Silver, Total	0.336	J	mg/kg	0.799	0.226	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Sodium, Total	120	J	mg/kg	160	2.52	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.60	0.252	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Vanadium, Total	34.2		mg/kg	0.799	0.162	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
Zinc, Total	840		mg/kg	4.00	0.234	2	11/11/21 19:19	11/12/21 12:53	EPA 3050B	1,6010D	SV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	25		mg/kg	0.83	0.83	1		11/15/21 16:22	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2161589
Project Number: 170229024
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY
Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Calcium, Total	0.0687	J	mg/l	0.100	0.0394	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Iron, Total	0.0199	J	mg/l	0.0500	0.0191	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/12/21 14:53	11/13/21 18:40	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/12/21 13:21	11/12/21 19:28	EPA 3005A	1,6020B	CD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		11/12/21 19:28	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2161589

Project Number: 170229024 **Report Date:** 11/24/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1569929-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/11/21 08:50	11/11/21 13:15	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1570154-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Nickel, Total	0.232	J	mg/kg	1.00	0.097	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Sodium, Total	9.42	J	mg/kg	80.0	1.26	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/11/21 19:19	11/12/21 10:31	1,6010D	SV

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1570274-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/12/21 13:21	11/12/21 18:45	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1570277-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/12/21 14:53	11/13/21 18:17	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1569929-2 SRM Lot Number: D109-540								
Mercury, Total	97		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1570154-2 SRM Lot Number: D109-540					
Aluminum, Total	61	-	50-150	-	
Antimony, Total	130	-	19-250	-	
Arsenic, Total	109	-	70-130	-	
Barium, Total	93	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	105	-	75-125	-	
Calcium, Total	95	-	73-128	-	
Chromium, Total	102	-	70-130	-	
Cobalt, Total	105	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	87	-	35-165	-	
Lead, Total	102	-	72-128	-	
Magnesium, Total	90	-	62-138	-	
Manganese, Total	97	-	74-126	-	
Nickel, Total	99	-	70-130	-	
Potassium, Total	86	-	59-141	-	
Selenium, Total	110	-	68-132	-	
Silver, Total	111	-	68-131	-	
Sodium, Total	97	-	35-165	-	
Thallium, Total	98	-	68-131	-	
Vanadium, Total	95	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1570154-2 SRM Lot Number: D109-540					
Zinc, Total	104	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1570274-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	93	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	89	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	92	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	97	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	92	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1570274-2					
Zinc, Total	95	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1570277-2					
Mercury, Total	105	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569929-3 QC Sample: L2161839-01 Client ID: MS Sample												
Mercury, Total	ND	0.153	0.158	103		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570154-3 QC Sample: L2161703-01 Client ID: MS Sample										
Aluminum, Total	7150	203	7620	**232**	Q	-	-	75-125	-	20
Antimony, Total	0.855J	50.7	24.7	**49**	Q	-	-	75-125	-	20
Arsenic, Total	9.55	12.2	16.5	**57**	Q	-	-	75-125	-	20
Barium, Total	204	203	257	**26**	Q	-	-	75-125	-	20
Beryllium, Total	0.438	5.07	3.49	**60**	Q	-	-	75-125	-	20
Cadmium, Total	2.90	5.37	6.58	**68**	Q	-	-	75-125	-	20
Calcium, Total	21000	1010	24200	**316**	Q	-	-	75-125	-	20
Chromium, Total	29.5	20.3	32.4	**14**	Q	-	-	75-125	-	20
Cobalt, Total	7.03	50.7	36.8	**59**	Q	-	-	75-125	-	20
Copper, Total	102	25.3	134	**126**	Q	-	-	75-125	-	20
Iron, Total	17300	101	15400	**0**	Q	-	-	75-125	-	20
Lead, Total	18.2	53.7	43.4	**47**	Q	-	-	75-125	-	20
Magnesium, Total	6390	1010	6960	**56**	Q	-	-	75-125	-	20
Manganese, Total	854	50.7	1140	**564**	Q	-	-	75-125	-	20
Nickel, Total	64.0	50.7	88.0	**47**	Q	-	-	75-125	-	20
Potassium, Total	1510	1010	2570	104		-	-	75-125	-	20
Selenium, Total	0.662J	12.2	8.85	**73**	Q	-	-	75-125	-	20
Silver, Total	ND	30.4	21.4	**70**	Q	-	-	75-125	-	20
Sodium, Total	1440	1010	2010	**56**	Q	-	-	75-125	-	20
Thallium, Total	ND	12.2	6.58	**54**	Q	-	-	75-125	-	20
Vanadium, Total	15.6	50.7	43.7	**55**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570154-3 QC Sample: L2161703-01 Client ID: MS Sample									
Zinc, Total	94.6	50.7	137	84	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570274-3 QC Sample: L2160981-10 Client ID: MS Sample									
Aluminum, Total	ND	2	1.82	91	-	-	75-125	-	20
Antimony, Total	0.00070J	0.5	0.4067	81	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1151	96	-	-	75-125	-	20
Barium, Total	ND	2	1.914	96	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04753	95	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05012	94	-	-	75-125	-	20
Calcium, Total	ND	10	8.04	80	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1830	92	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4430	89	-	-	75-125	-	20
Copper, Total	ND	0.25	0.2367	95	-	-	75-125	-	20
Iron, Total	ND	1	0.931	93	-	-	75-125	-	20
Lead, Total	ND	0.53	0.4932	93	-	-	75-125	-	20
Magnesium, Total	ND	10	9.51	95	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.4596	92	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4565	91	-	-	75-125	-	20
Potassium, Total	ND	10	9.57	96	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.114	95	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04946	99	-	-	75-125	-	20
Sodium, Total	ND	10	9.56	96	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1135	94	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4603	92	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570274-3 QC Sample: L2160981-10 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4760	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570277-3 QC Sample: L2161794-04 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00494	99	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569929-4 QC Sample: L2161839-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570154-4 QC Sample: L2161703-01 Client ID: DUP Sample						
Arsenic, Total	9.55	8.04	mg/kg	17		20
Barium, Total	204	164	mg/kg	**22**	Q	20
Cadmium, Total	2.90	11.1	mg/kg	**117**	Q	20
Chromium, Total	29.5	25.4	mg/kg	15		20
Cobalt, Total	7.03	7.04	mg/kg	0		20
Copper, Total	102	180	mg/kg	**55**	Q	20
Lead, Total	18.2	17.6	mg/kg	3		20
Manganese, Total	854	1260	mg/kg	**38**	Q	20
Nickel, Total	64.0	72.5	mg/kg	12		20
Selenium, Total	0.662J	0.589J	mg/kg	NC		20
Silver, Total	ND	0.181J	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570274-4 QC Sample: L2160981-10 Client ID: DUP Sample					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	0.00070J	0.00136J	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	0.0238J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570274-4 QC Sample: L2160981-10 Client ID: DUP Sample					
Thallium, Total	ND	0.00026J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1570277-4 QC Sample: L2161794-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1570154-6 QC Sample: L2161703-01 Client ID: DUP Sample						
Barium, Total	204	285	mg/kg	**40**	Q	20
Chromium, Total	29.5	44.4	mg/kg	**51**	Q	20
Copper, Total	102	142	mg/kg	**39**	Q	20
Manganese, Total	854	1250	mg/kg	**46**	Q	20
Nickel, Total	64.0	95.8	mg/kg	**50**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-01
Client ID: EPSW14
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 11/09/21 07:30
Date Received: 11/09/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	11/10/21 11:15	121,2540G	RI
Chromium, Hexavalent	0.266	J	mg/kg	0.851	0.170	1	11/12/21 17:45	11/15/21 14:11	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-02
Client ID: EPSW13
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 11/09/21 07:40
Date Received: 11/09/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.1		%	0.100	NA	1	-	11/10/21 11:15	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.824	0.165	1	11/12/21 17:45	11/15/21 14:11	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-03
Client ID: EPSW12
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/09/21 07:50
Date Received: 11/09/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	11/10/21 11:15	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.831	0.166	1	11/15/21 14:05	11/15/21 16:22	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

SAMPLE RESULTS

Lab ID: L2161589-05
Client ID: EPFB01_110921
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 11/09/21 11:10
Date Received: 11/09/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/10/21 07:40	11/10/21 08:03	1,7196A	KP

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1569417-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/10/21 07:40	11/10/21 08:01	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1569684-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/12/21 17:45	11/15/21 14:11	1,7196A	NL
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1571605-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/15/21 14:05	11/15/21 16:22	1,7196A	NL

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2161589

Report Date: 11/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1569417-2								
Chromium, Hexavalent	108		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1569684-2								
Chromium, Hexavalent	81		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1571605-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1569417-4 QC Sample: L2161589-05 Client ID: EPFB01_110921												
Chromium, Hexavalent	ND	0.1	0.106	106		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1569684-4 QC Sample: L2161589-02 Client ID: EPSW13												
Chromium, Hexavalent	ND	877	841	96		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1571605-4 QC Sample: L2161589-03 Client ID: EPSW12												
Chromium, Hexavalent	ND	958	667	**70**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1569417-3 QC Sample: L2161589-05 Client ID: EPFB01_110921						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1569447-1 QC Sample: L2161295-01 Client ID: DUP Sample						
Solids, Total	58.3	57.3	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1569684-6 QC Sample: L2161589-02 Client ID: EPSW13						
Chromium, Hexavalent	ND	0.257J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1571605-6 QC Sample: L2161589-03 Client ID: EPSW12						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2161589-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2161589-01B	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-01C	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2161589-01E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2161589-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2161589-01G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-01H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2161589-01I	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2161589-02B	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-02C	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-02D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2161589-02E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2161589-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2161589-02G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-02H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2161589-02I	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2161589-03B	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-03C	Vial water preserved	A	NA		3.0	Y	Absent	10-NOV-21 03:47	NYTCL-8260HLW(14)
L2161589-03D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2161589-03E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2161589-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2161589-03G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-03H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2161589-03I	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2161589-04A	Plastic 250ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2161589-05A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2161589-05B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2161589-05C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2161589-05D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2161589-05E	Plastic 500ml unpreserved	A	7	7	3.0	Y	Absent		HEXCR-7196(1)
L2161589-05F	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2161589-05G	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2161589-05H	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2161589-05I	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2161589-05J	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2161589
Report Date: 11/24/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2161589-05K	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-LVI(7)
L2161589-05L	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2161589-05M	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2161589
Report Date: 11/24/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2161589
Project Number:	170229024	**Report Date:**	11/24/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 11/9/21

ALPHA Job #: L2161589

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan

Project Information

Project Name: 45 commercial street
Project Location: Brooklyn NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metals / Hex Cr.	PFAS	1,4 dioxane	Sample Specific Comments
61589-01	EPSW14	11/9/2021	0730	SO:1	YMP	X	X	X	X	X	X	X	
-02	EPSW13		0740	SO:1		X	X	X	X	X	X	X	
-03	EPSW12 FD YMP		0750	SO:1		X	X	X	X	X	X	X	
-04	PFB19-110921		1100	AQ							X		
-05	EPFB01-110921		1110	AQ		X	X	X	X	X		* YMP	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	11/9/21 14:30	[signature]	11/9/21 14:30
[signature]	11/9/21 17:10	Paul Mazzella	11/9/21 17:10
Paul Mazzella 11/9/21		[signature] 11/9/21	11/9/21 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2163745
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	12/06/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2163745-01	EPSW11	SOIL	BROOKLYN, NY	11/18/21 08:05	11/18/21
L2163745-02	EPSW10	SOIL	BROOKLYN, NY	11/18/21 08:10	11/18/21
L2163745-03	EPSW09	SOIL	BROOKLYN, NY	11/18/21 11:30	11/18/21
L2163745-04	EPSW08	SOIL	BROOKLYN, NY	11/18/21 11:50	11/18/21
L2163745-05	PFB20_111821	WATER	BROOKLYN, NY	11/18/21 12:00	11/18/21
L2163745-06	EPFB02_111821	WATER	BROOKLYN, NY	11/18/21 09:10	11/18/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745
Project Number: 170229024 **Report Date:** 12/06/21

Case Narrative (continued)

Report Submission
December 06, 2021: This final report includes the results of all requested analyses.
November 30, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics
L2163745-01D, -02D, -03D and -04D: The sample has elevated detection limits due to the dilution required by the sample matrix.
The WG1574113-2 LCS recovery, associated with L2163745-01D, -02D, -03D, and -04D, is below the acceptance criteria for benzoic acid (5%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM
L2163745-06: The Field Blank has a concentration above the reporting limit for Phenanthrene. The sample was re-extracted with the method required holding time exceeded and was non-detect for this target compound. The results of both extractions are reported.

Perfluorinated Alkyl Acids by Isotope Dilution
L2163745-01, -02, -03, -04, -05, WG1574859-1, WG1576790-1, WG1574859-2, and WG1576790-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2163745-01 and -03: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

Case Narrative (continued)

PCBs

L2163745-01: The internal standard (IS) response for 1-bromo-2-nitrobenzene (1395%) was above the acceptance criteria on column B; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (5%) and decachlorobiphenyl (6%) due to interference with the Internal Standard.

Pesticides

L2163745-02D and -03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Herbicides

L2163745-02D: The sample has elevated detection limits due to the dilution required by the sample matrix.
L2163745-02D: The surrogate recoveries are below the acceptance criteria for dcaa (0%,0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

L2163745-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1574495-4 Insoluble MS recovery for chromium, hexavalent (45%), performed on L2163745-01, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (0%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 101%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 12/06/21

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/21 12:56
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	4.2	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.26	1
Carbon tetrachloride	ND		ug/kg	1.8	0.42	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.23	1
Dibromochloromethane	ND		ug/kg	1.8	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.49	1
Tetrachloroethene	ND		ug/kg	0.91	0.36	1
Chlorobenzene	ND		ug/kg	0.91	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.3	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.47	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.30	1
Bromodichloromethane	ND		ug/kg	0.91	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.50	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.29	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	0.29	1
1,1-Dichloropropene	ND		ug/kg	0.91	0.29	1
Bromoform	ND		ug/kg	7.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.30	1
Benzene	ND		ug/kg	0.91	0.30	1
Toluene	ND		ug/kg	1.8	0.99	1
Ethylbenzene	ND		ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	7.3	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.61	1
Chloroethane	ND		ug/kg	3.6	0.82	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.25	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 Date Collected: 11/18/21 08:05

Client ID: EPSW11 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.91	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.37	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.53	1
Xylenes, Total	ND		ug/kg	1.8	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.25	1
Dibromomethane	ND		ug/kg	3.6	0.43	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	18	1.7	1
Acetone	ND		ug/kg	18	8.8	1
Carbon disulfide	ND		ug/kg	18	8.3	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.37	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.51	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.27	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.35	1
p-Chlorotoluene	ND		ug/kg	3.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.3	0.31	1
Isopropylbenzene	ND		ug/kg	1.8	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.20	1
Naphthalene	ND		ug/kg	7.3	1.2	1
Acrylonitrile	ND		ug/kg	7.3	2.1	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 Date Collected: 11/18/21 08:05

Client ID: EPSW11 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.59	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.50	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.61	1
1,4-Dioxane	ND		ug/kg	140	64.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.35	1
Ethyl ether	ND		ug/kg	3.6	0.62	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.1	2.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/21 13:25
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	18	8.5	1
1,1-Dichloroethane	ND		ug/kg	3.7	0.54	1
Chloroform	ND		ug/kg	5.6	0.52	1
Carbon tetrachloride	ND		ug/kg	3.7	0.85	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.46	1
Dibromochloromethane	ND		ug/kg	3.7	0.52	1
1,1,2-Trichloroethane	ND		ug/kg	3.7	0.99	1
Tetrachloroethene	ND		ug/kg	1.8	0.73	1
Chlorobenzene	ND		ug/kg	1.8	0.47	1
Trichlorofluoromethane	ND		ug/kg	15	2.6	1
1,2-Dichloroethane	ND		ug/kg	3.7	0.95	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.62	1
Bromodichloromethane	ND		ug/kg	1.8	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	3.7	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.58	1
1,3-Dichloropropene, Total	ND		ug/kg	1.8	0.58	1
1,1-Dichloropropene	ND		ug/kg	1.8	0.59	1
Bromoform	ND		ug/kg	15	0.91	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.62	1
Benzene	ND		ug/kg	1.8	0.62	1
Toluene	ND		ug/kg	3.7	2.0	1
Ethylbenzene	ND		ug/kg	3.7	0.52	1
Chloromethane	ND		ug/kg	15	3.4	1
Bromomethane	ND		ug/kg	7.4	2.2	1
Vinyl chloride	ND		ug/kg	3.7	1.2	1
Chloroethane	ND		ug/kg	7.4	1.7	1
1,1-Dichloroethene	ND		ug/kg	3.7	0.88	1
trans-1,2-Dichloroethene	ND		ug/kg	5.6	0.51	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 Date Collected: 11/18/21 08:10

Client ID: EPSW10 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.8	0.51	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.53	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.55	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.63	1
Methyl tert butyl ether	ND		ug/kg	7.4	0.74	1
p/m-Xylene	ND		ug/kg	7.4	2.1	1
o-Xylene	ND		ug/kg	3.7	1.1	1
Xylenes, Total	ND		ug/kg	3.7	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethene, Total	ND		ug/kg	3.7	0.51	1
Dibromomethane	ND		ug/kg	7.4	0.88	1
Styrene	ND		ug/kg	3.7	0.73	1
Dichlorodifluoromethane	ND		ug/kg	37	3.4	1
Acetone	ND		ug/kg	37	18.	1
Carbon disulfide	ND		ug/kg	37	17.	1
2-Butanone	ND		ug/kg	37	8.2	1
Vinyl acetate	ND		ug/kg	37	8.0	1
4-Methyl-2-pentanone	ND		ug/kg	37	4.7	1
1,2,3-Trichloropropane	ND		ug/kg	7.4	0.47	1
2-Hexanone	ND		ug/kg	37	4.4	1
Bromochloromethane	ND		ug/kg	7.4	0.76	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.75	1
1,2-Dibromoethane	ND		ug/kg	3.7	1.0	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.62	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.49	1
Bromobenzene	ND		ug/kg	7.4	0.54	1
n-Butylbenzene	ND		ug/kg	3.7	0.62	1
sec-Butylbenzene	ND		ug/kg	3.7	0.54	1
tert-Butylbenzene	ND		ug/kg	7.4	0.44	1
o-Chlorotoluene	ND		ug/kg	7.4	0.71	1
p-Chlorotoluene	ND		ug/kg	7.4	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	3.7	1
Hexachlorobutadiene	ND		ug/kg	15	0.63	1
Isopropylbenzene	ND		ug/kg	3.7	0.40	1
p-Isopropyltoluene	ND		ug/kg	3.7	0.40	1
Naphthalene	ND		ug/kg	15	2.4	1
Acrylonitrile	ND		ug/kg	15	4.3	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 Date Collected: 11/18/21 08:10

Client ID: EPSW10 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	3.7	0.63	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	1.2	1
1,4-Dioxane	ND		ug/kg	300	130	1
p-Diethylbenzene	ND		ug/kg	7.4	0.66	1
p-Ethyltoluene	ND		ug/kg	7.4	1.4	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.4	0.71	1
Ethyl ether	ND		ug/kg	7.4	1.3	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	18	5.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 Date Collected: 11/18/21 11:30
Client ID: EPSW09 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/21 13:50
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	ND		ug/kg	0.79	0.31	1
Chlorobenzene	ND		ug/kg	0.79	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.3	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	0.26	1
Bromodichloromethane	ND		ug/kg	0.79	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.79	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.79	0.25	1
Bromoform	ND		ug/kg	6.3	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	0.26	1
Benzene	ND		ug/kg	0.79	0.26	1
Toluene	ND		ug/kg	1.6	0.86	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.3	1.5	1
Bromomethane	ND		ug/kg	3.2	0.92	1
Vinyl chloride	ND		ug/kg	1.6	0.53	1
Chloroethane	ND		ug/kg	3.2	0.72	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 Date Collected: 11/18/21 11:30

Client ID: EPSW09 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.79	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.89	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.38	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	ND		ug/kg	16	7.6	1
Carbon disulfide	ND		ug/kg	16	7.2	1
2-Butanone	ND		ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.20	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.26	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.30	1
p-Chlorotoluene	ND		ug/kg	3.2	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.27	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.3	1.0	1
Acrylonitrile	ND		ug/kg	6.3	1.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 Date Collected: 11/18/21 11:30

Client ID: EPSW09 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.53	1
1,4-Dioxane	ND		ug/kg	130	56.	1
p-Diethylbenzene	ND		ug/kg	3.2	0.28	1
p-Ethyltoluene	ND		ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.2	0.30	1
Ethyl ether	ND		ug/kg	3.2	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/21 14:16
Analyst: MKS
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	12	5.4	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.34	1
Chloroform	ND		ug/kg	3.5	0.33	1
Carbon tetrachloride	ND		ug/kg	2.3	0.54	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.29	1
Dibromochloromethane	ND		ug/kg	2.3	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.62	1
Tetrachloroethene	ND		ug/kg	1.2	0.46	1
Chlorobenzene	ND		ug/kg	1.2	0.30	1
Trichlorofluoromethane	ND		ug/kg	9.4	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.39	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.64	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.37	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.37	1
Bromoform	ND		ug/kg	9.4	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Benzene	ND		ug/kg	1.2	0.39	1
Toluene	ND		ug/kg	2.3	1.3	1
Ethylbenzene	ND		ug/kg	2.3	0.33	1
Chloromethane	ND		ug/kg	9.4	2.2	1
Bromomethane	ND		ug/kg	4.7	1.4	1
Vinyl chloride	ND		ug/kg	2.3	0.78	1
Chloroethane	ND		ug/kg	4.7	1.0	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	3.5	0.32	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 Date Collected: 11/18/21 11:50

Client ID: EPSW08 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.35	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.40	1
Methyl tert butyl ether	ND		ug/kg	4.7	0.47	1
p/m-Xylene	ND		ug/kg	4.7	1.3	1
o-Xylene	ND		ug/kg	2.3	0.68	1
Xylenes, Total	ND		ug/kg	2.3	0.68	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	2.3	0.32	1
Dibromomethane	ND		ug/kg	4.7	0.56	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	23	2.1	1
Acetone	ND		ug/kg	23	11.	1
Carbon disulfide	ND		ug/kg	23	11.	1
2-Butanone	ND		ug/kg	23	5.2	1
Vinyl acetate	ND		ug/kg	23	5.0	1
4-Methyl-2-pentanone	ND		ug/kg	23	3.0	1
1,2,3-Trichloropropane	ND		ug/kg	4.7	0.30	1
2-Hexanone	ND		ug/kg	23	2.8	1
Bromochloromethane	ND		ug/kg	4.7	0.48	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.47	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.65	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.39	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.31	1
Bromobenzene	ND		ug/kg	4.7	0.34	1
n-Butylbenzene	ND		ug/kg	2.3	0.39	1
sec-Butylbenzene	ND		ug/kg	2.3	0.34	1
tert-Butylbenzene	ND		ug/kg	4.7	0.28	1
o-Chlorotoluene	ND		ug/kg	4.7	0.45	1
p-Chlorotoluene	ND		ug/kg	4.7	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	2.3	1
Hexachlorobutadiene	ND		ug/kg	9.4	0.40	1
Isopropylbenzene	ND		ug/kg	2.3	0.26	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.26	1
Naphthalene	ND		ug/kg	9.4	1.5	1
Acrylonitrile	ND		ug/kg	9.4	2.7	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 Date Collected: 11/18/21 11:50

Client ID: EPSW08 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.3	0.40	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.75	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.64	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.45	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.78	1
1,4-Dioxane	ND		ug/kg	190	82.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.41	1
p-Ethyltoluene	ND		ug/kg	4.7	0.90	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.45	1
Ethyl ether	ND		ug/kg	4.7	0.80	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10
Client ID: EPFB02_111821 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/21 09:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10

Client ID: EPFB02_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10

Client ID: EPFB02_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/21 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574067-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/21 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574067-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/21 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574067-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/21 09:34
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1577300-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/21 09:34
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1577300-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/21 09:34
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1577300-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.90	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.40	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.27	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574067-3 WG1574067-4								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	96		99		70-130	3		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	94		100		63-132	6		20
1,2-Dichloropropane	89		92		70-130	3		20
Dibromochloromethane	99		99		63-130	0		20
1,1,2-Trichloroethane	83		89		70-130	7		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	93		96		75-130	3		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	96		100		70-130	4		20
1,1,1-Trichloroethane	91		100		67-130	9		20
Bromodichloromethane	93		99		67-130	6		20
trans-1,3-Dichloropropene	80		81		70-130	1		20
cis-1,3-Dichloropropene	82		92		70-130	11		20
1,1-Dichloropropene	88		100		70-130	13		20
Bromoform	94		97		54-136	3		20
1,1,2,2-Tetrachloroethane	80		87		67-130	8		20
Benzene	89		95		70-130	7		20
Toluene	90		92		70-130	2		20
Ethylbenzene	95		97		70-130	2		20
Chloromethane	80		85		64-130	6		20
Bromomethane	91		98		39-139	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574067-3 WG1574067-4								
Vinyl chloride	79		84		55-140	6		20
Chloroethane	98		100		55-138	2		20
1,1-Dichloroethene	91		94		61-145	3		20
trans-1,2-Dichloroethene	92		95		70-130	3		20
Trichloroethene	94		97		70-130	3		20
1,2-Dichlorobenzene	95		98		70-130	3		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	76		87		63-130	13		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	89		95		70-130	7		20
Dibromomethane	95		100		70-130	5		20
1,2,3-Trichloropropane	79		85		64-130	7		20
Acrylonitrile	79		95		70-130	18		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	72		77		36-147	7		20
Acetone	90		110		58-148	20		20
Carbon disulfide	94		97		51-130	3		20
2-Butanone	70		95		63-138	**30**	Q	20
Vinyl acetate	76		89		70-130	16		20
4-Methyl-2-pentanone	73		79		59-130	8		20
2-Hexanone	78		82		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574067-3 WG1574067-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	82		92		63-133	11		20
1,2-Dibromoethane	85		88		70-130	3		20
1,3-Dichloropropane	87		87		70-130	0		20
1,1,1,2-Tetrachloroethane	92		96		64-130	4		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	89		97		53-136	9		20
sec-Butylbenzene	93		100		70-130	7		20
tert-Butylbenzene	96		100		70-130	4		20
o-Chlorotoluene	91		92		70-130	1		20
p-Chlorotoluene	91		95		70-130	4		20
1,2-Dibromo-3-chloropropane	80		91		41-144	13		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	92		98		70-130	6		20
p-Isopropyltoluene	95		100		70-130	5		20
Naphthalene	83		86		70-130	4		20
n-Propylbenzene	89		94		69-130	5		20
1,2,3-Trichlorobenzene	90		100		70-130	11		20
1,2,4-Trichlorobenzene	96		98		70-130	2		20
1,3,5-Trimethylbenzene	96		99		64-130	3		20
1,2,4-Trimethylbenzene	97		100		70-130	3		20
1,4-Dioxane	108		116		56-162	7		20
p-Diethylbenzene	93		98		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574067-3 WG1574067-4								
p-Ethyltoluene	95		99		70-130	4		20
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		20
Ethyl ether	87		95		59-134	9		20
trans-1,4-Dichloro-2-butene	89		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		115		70-130
Toluene-d8	98		94		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	106		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1577300-3 WG1577300-4								
Methylene chloride	95		86		70-130	10		30
1,1-Dichloroethane	103		91		70-130	12		30
Chloroform	90		81		70-130	11		30
Carbon tetrachloride	101		85		70-130	17		30
1,2-Dichloropropane	93		86		70-130	8		30
Dibromochloromethane	95		89		70-130	7		30
1,1,2-Trichloroethane	90		85		70-130	6		30
Tetrachloroethene	106		93		70-130	13		30
Chlorobenzene	98		90		70-130	9		30
Trichlorofluoromethane	108		87		70-139	22		30
1,2-Dichloroethane	88		81		70-130	8		30
1,1,1-Trichloroethane	104		90		70-130	14		30
Bromodichloromethane	91		83		70-130	9		30
trans-1,3-Dichloropropene	92		87		70-130	6		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
1,1-Dichloropropene	107		94		70-130	13		30
Bromoform	82		75		70-130	9		30
1,1,2,2-Tetrachloroethane	85		79		70-130	7		30
Benzene	97		88		70-130	10		30
Toluene	102		92		70-130	10		30
Ethylbenzene	103		92		70-130	11		30
Chloromethane	118		104		52-130	13		30
Bromomethane	140		122		57-147	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1577300-3 WG1577300-4								
Vinyl chloride	123		105		67-130	16		30
Chloroethane	146		127		50-151	14		30
1,1-Dichloroethene	109		93		65-135	16		30
trans-1,2-Dichloroethene	103		92		70-130	11		30
Trichloroethene	98		88		70-130	11		30
1,2-Dichlorobenzene	97		88		70-130	10		30
1,3-Dichlorobenzene	99		90		70-130	10		30
1,4-Dichlorobenzene	97		88		70-130	10		30
Methyl tert butyl ether	81		76		66-130	6		30
p/m-Xylene	105		94		70-130	11		30
o-Xylene	93		84		70-130	10		30
cis-1,2-Dichloroethene	95		87		70-130	9		30
Dibromomethane	84		78		70-130	7		30
Styrene	96		88		70-130	9		30
Dichlorodifluoromethane	86		68		30-146	23		30
Acetone	95		124		54-140	26		30
Carbon disulfide	90		78		59-130	14		30
2-Butanone	**69**	Q	73		70-130	6		30
Vinyl acetate	83		81		70-130	2		30
4-Methyl-2-pentanone	85		82		70-130	4		30
1,2,3-Trichloropropane	81		75		68-130	8		30
2-Hexanone	75		78		70-130	4		30
Bromochloromethane	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1577300-3 WG1577300-4								
2,2-Dichloropropane	100		88		70-130	13		30
1,2-Dibromoethane	79		74		70-130	7		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	95		89		70-130	7		30
Bromobenzene	103		93		70-130	10		30
n-Butylbenzene	107		93		70-130	14		30
sec-Butylbenzene	101		87		70-130	15		30
tert-Butylbenzene	104		90		70-130	14		30
o-Chlorotoluene	98		87		70-130	12		30
p-Chlorotoluene	96		88		70-130	9		30
1,2-Dibromo-3-chloropropane	87		82		68-130	6		30
Hexachlorobutadiene	90		78		67-130	14		30
Isopropylbenzene	102		88		70-130	15		30
p-Isopropyltoluene	104		91		70-130	13		30
Naphthalene	86		83		70-130	4		30
Acrylonitrile	78		73		70-130	7		30
n-Propylbenzene	105		92		70-130	13		30
1,2,3-Trichlorobenzene	93		87		70-130	7		30
1,2,4-Trichlorobenzene	99		92		70-130	7		30
1,3,5-Trimethylbenzene	95		84		70-130	12		30
1,2,4-Trimethylbenzene	94		85		70-130	10		30
1,4-Dioxane	71		87		65-136	20		30
p-Diethylbenzene	106		93		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1577300-3 WG1577300-4								
p-Ethyltoluene	96		85		70-130	12		30
1,2,4,5-Tetramethylbenzene	101		93		70-130	8		30
Ethyl ether	86		78		67-130	10		30
trans-1,4-Dichloro-2-butene	91		81		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		91		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	91		91		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/21 18:22
Analyst: RS
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.130	J	ng/g	0.517	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.115	J	ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.094	J	ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	0.059	J	ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.063	1
Perfluorooctanoic Acid (PFOA)	0.174	JF	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	0.113	J	ng/g	0.258	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.70	F	ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	0.576		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	1.36		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	0.273	J	ng/g	0.517	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.552		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	1.07		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	0.744		ng/g	0.517	0.211	1
Perfluorotetradecanoic Acid (PFTA)	0.578	F	ng/g	0.517	0.056	1
PFOA/PFOS, Total	1.87	J	ng/g	0.258	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 Date Collected: 11/18/21 08:05

Client ID: EPSW11 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**252**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**421**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	102		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	133		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/05/21 16:24
Analyst: SG
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 D
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/23/21 18:33
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/22/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	780	100	5
1,2,4-Trichlorobenzene	ND		ug/kg	980	110	5
Hexachlorobenzene	ND		ug/kg	590	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	880	130	5
2-Chloronaphthalene	ND		ug/kg	980	97.	5
1,2-Dichlorobenzene	ND		ug/kg	980	180	5
1,3-Dichlorobenzene	ND		ug/kg	980	170	5
1,4-Dichlorobenzene	ND		ug/kg	980	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	980	260	5
2,4-Dinitrotoluene	ND		ug/kg	980	200	5
2,6-Dinitrotoluene	ND		ug/kg	980	170	5
Fluoranthene	1400		ug/kg	590	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	98.	5
Hexachlorobutadiene	ND		ug/kg	980	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	890	5
Hexachloroethane	ND		ug/kg	780	160	5
Isophorone	ND		ug/kg	880	130	5
Naphthalene	ND		ug/kg	980	120	5
Nitrobenzene	ND		ug/kg	880	140	5
NDPA/DPA	ND		ug/kg	780	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	150	5
Bis(2-ethylhexyl)phthalate	1100		ug/kg	980	340	5
Butyl benzyl phthalate	ND		ug/kg	980	250	5
Di-n-butylphthalate	220	J	ug/kg	980	180	5
Di-n-octylphthalate	ND		ug/kg	980	330	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 D Date Collected: 11/18/21 08:05
Client ID: EPSW11 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	980	91.	5
Dimethyl phthalate	ND		ug/kg	980	200	5
Benzo(a)anthracene	710		ug/kg	590	110	5
Benzo(a)pyrene	660	J	ug/kg	780	240	5
Benzo(b)fluoranthene	970		ug/kg	590	160	5
Benzo(k)fluoranthene	310	J	ug/kg	590	160	5
Chrysene	720		ug/kg	590	100	5
Acenaphthylene	ND		ug/kg	780	150	5
Anthracene	210	J	ug/kg	590	190	5
Benzo(ghi)perylene	540	J	ug/kg	780	120	5
Fluorene	ND		ug/kg	980	95.	5
Phenanthrene	930		ug/kg	590	120	5
Dibenzo(a,h)anthracene	120	J	ug/kg	590	110	5
Indeno(1,2,3-cd)pyrene	550	J	ug/kg	780	140	5
Pyrene	1300		ug/kg	590	97.	5
Biphenyl	ND		ug/kg	2200	230	5
4-Chloroaniline	ND		ug/kg	980	180	5
2-Nitroaniline	ND		ug/kg	980	190	5
3-Nitroaniline	ND		ug/kg	980	180	5
4-Nitroaniline	ND		ug/kg	980	400	5
Dibenzofuran	ND		ug/kg	980	93.	5
2-Methylnaphthalene	ND		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	980	100	5
Acetophenone	ND		ug/kg	980	120	5
2,4,6-Trichlorophenol	ND		ug/kg	590	180	5
p-Chloro-m-cresol	ND		ug/kg	980	140	5
2-Chlorophenol	ND		ug/kg	980	120	5
2,4-Dichlorophenol	ND		ug/kg	880	160	5
2,4-Dimethylphenol	ND		ug/kg	980	320	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	400	5
2,4-Dinitrophenol	ND		ug/kg	4700	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	470	5
Pentachlorophenol	ND		ug/kg	780	220	5
Phenol	ND		ug/kg	980	150	5
2-Methylphenol	ND		ug/kg	980	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 D
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	980	190	5
Benzoic Acid	ND		ug/kg	3200	990	5
Benzyl Alcohol	ND		ug/kg	980	300	5
Carbazole	100	J	ug/kg	980	95.	5
1,4-Dioxane	ND		ug/kg	150	45.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	51		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/21 18:38
Analyst: RS
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.319	J	ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.925		ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.697		ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	0.912		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	0.161	J	ng/g	0.254	0.062	1
Perfluorooctanoic Acid (PFOA)	2.02		ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	0.945		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	5.72		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	1.94		ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	1.56		ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	0.390	J	ng/g	0.508	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.406	J	ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	0.789		ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	0.464	J	ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	0.357	JF	ng/g	0.508	0.055	1
PFOA/PFOS, Total	7.74		ng/g	0.254	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 Date Collected: 11/18/21 08:10

Client ID: EPSW10 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**618**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**1170**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**186**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**194**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/23/21 18:57
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/22/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	730	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	910	100	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	820	120	5
2-Chloronaphthalene	ND		ug/kg	910	90.	5
1,2-Dichlorobenzene	ND		ug/kg	910	160	5
1,3-Dichlorobenzene	ND		ug/kg	910	160	5
1,4-Dichlorobenzene	ND		ug/kg	910	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	910	240	5
2,4-Dinitrotoluene	ND		ug/kg	910	180	5
2,6-Dinitrotoluene	ND		ug/kg	910	160	5
Fluoranthene	1000		ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	910	97.	5
4-Bromophenyl phenyl ether	ND		ug/kg	910	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	91.	5
Hexachlorobutadiene	ND		ug/kg	910	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	820	5
Hexachloroethane	ND		ug/kg	730	150	5
Isophorone	ND		ug/kg	820	120	5
Naphthalene	130	J	ug/kg	910	110	5
Nitrobenzene	ND		ug/kg	820	130	5
NDPA/DPA	ND		ug/kg	730	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	910	140	5
Bis(2-ethylhexyl)phthalate	1500		ug/kg	910	320	5
Butyl benzyl phthalate	ND		ug/kg	910	230	5
Di-n-butylphthalate	ND		ug/kg	910	170	5
Di-n-octylphthalate	ND		ug/kg	910	310	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D Date Collected: 11/18/21 08:10
Client ID: EPSW10 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	910	84.	5
Dimethyl phthalate	ND		ug/kg	910	190	5
Benzo(a)anthracene	460	J	ug/kg	550	100	5
Benzo(a)pyrene	430	J	ug/kg	730	220	5
Benzo(b)fluoranthene	580		ug/kg	550	150	5
Benzo(k)fluoranthene	210	J	ug/kg	550	140	5
Chrysene	480	J	ug/kg	550	95.	5
Acenaphthylene	ND		ug/kg	730	140	5
Anthracene	180	J	ug/kg	550	180	5
Benzo(ghi)perylene	390	J	ug/kg	730	110	5
Fluorene	ND		ug/kg	910	88.	5
Phenanthrene	760		ug/kg	550	110	5
Dibenzo(a,h)anthracene	ND		ug/kg	550	100	5
Indeno(1,2,3-cd)pyrene	370	J	ug/kg	730	130	5
Pyrene	900		ug/kg	550	90.	5
Biphenyl	ND		ug/kg	2100	210	5
4-Chloroaniline	ND		ug/kg	910	160	5
2-Nitroaniline	ND		ug/kg	910	180	5
3-Nitroaniline	ND		ug/kg	910	170	5
4-Nitroaniline	ND		ug/kg	910	380	5
Dibenzofuran	ND		ug/kg	910	86.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	910	95.	5
Acetophenone	ND		ug/kg	910	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	910	140	5
2-Chlorophenol	ND		ug/kg	910	110	5
2,4-Dichlorophenol	ND		ug/kg	820	150	5
2,4-Dimethylphenol	ND		ug/kg	910	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4400	420	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	730	200	5
Phenol	ND		ug/kg	910	140	5
2-Methylphenol	ND		ug/kg	910	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D Date Collected: 11/18/21 08:10

Client ID: EPSW10 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	910	170	5
Benzoic Acid	ND		ug/kg	3000	920	5
Benzyl Alcohol	ND		ug/kg	910	280	5
Carbazole	ND		ug/kg	910	88.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	27		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	31		10-136
4-Terphenyl-d14	33		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/21 18:55
Analyst: RS
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.041	J	ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.068	J	ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.108	J	ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	0.114	JF	ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	1.48		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	0.175	JF	ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	0.344	J	ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.508	0.155	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	0.166	J	ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	0.070	JF	ng/g	0.508	0.055	1
PFOA/PFOS, Total	1.48		ng/g	0.254	0.043	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 Date Collected: 11/18/21 11:30

Client ID: EPSW09 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**297**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**765**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**176**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	123		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**208**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 45 COMMERCIAL STREET
Lab Number: L2163745
Project Number: 170229024
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/05/21 17:51
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 D
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/23/21 19:20
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/22/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180	J	ug/kg	720	93.	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	100	5
Hexachlorobenzene	ND		ug/kg	540	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	120	5
2-Chloronaphthalene	ND		ug/kg	900	89.	5
1,2-Dichlorobenzene	ND		ug/kg	900	160	5
1,3-Dichlorobenzene	ND		ug/kg	900	150	5
1,4-Dichlorobenzene	ND		ug/kg	900	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	240	5
2,4-Dinitrotoluene	ND		ug/kg	900	180	5
2,6-Dinitrotoluene	ND		ug/kg	900	150	5
Fluoranthene	2800		ug/kg	540	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	900	96.	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	970	90.	5
Hexachlorobutadiene	ND		ug/kg	900	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	820	5
Hexachloroethane	ND		ug/kg	720	140	5
Isophorone	ND		ug/kg	810	120	5
Naphthalene	180	J	ug/kg	900	110	5
Nitrobenzene	ND		ug/kg	810	130	5
NDPA/DPA	ND		ug/kg	720	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	900	140	5
Bis(2-ethylhexyl)phthalate	320	J	ug/kg	900	310	5
Butyl benzyl phthalate	ND		ug/kg	900	230	5
Di-n-butylphthalate	ND		ug/kg	900	170	5
Di-n-octylphthalate	ND		ug/kg	900	310	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 D Date Collected: 11/18/21 11:30
Client ID: EPSW09 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	900	83.	5
Dimethyl phthalate	ND		ug/kg	900	190	5
Benzo(a)anthracene	1300		ug/kg	540	100	5
Benzo(a)pyrene	1100		ug/kg	720	220	5
Benzo(b)fluoranthene	1300		ug/kg	540	150	5
Benzo(k)fluoranthene	460	J	ug/kg	540	140	5
Chrysene	1100		ug/kg	540	94.	5
Acenaphthylene	150	J	ug/kg	720	140	5
Anthracene	560		ug/kg	540	180	5
Benzo(ghi)perylene	690	J	ug/kg	720	100	5
Fluorene	240	J	ug/kg	900	87.	5
Phenanthrene	2200		ug/kg	540	110	5
Dibenzo(a,h)anthracene	150	J	ug/kg	540	100	5
Indeno(1,2,3-cd)pyrene	740		ug/kg	720	120	5
Pyrene	2400		ug/kg	540	89.	5
Biphenyl	ND		ug/kg	2000	210	5
4-Chloroaniline	ND		ug/kg	900	160	5
2-Nitroaniline	ND		ug/kg	900	170	5
3-Nitroaniline	ND		ug/kg	900	170	5
4-Nitroaniline	ND		ug/kg	900	370	5
Dibenzofuran	160	J	ug/kg	900	85.	5
2-Methylnaphthalene	120	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	900	94.	5
Acetophenone	ND		ug/kg	900	110	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
p-Chloro-m-cresol	ND		ug/kg	900	130	5
2-Chlorophenol	ND		ug/kg	900	110	5
2,4-Dichlorophenol	ND		ug/kg	810	140	5
2,4-Dimethylphenol	ND		ug/kg	900	300	5
2-Nitrophenol	ND		ug/kg	1900	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4300	420	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	720	200	5
Phenol	ND		ug/kg	900	140	5
2-Methylphenol	ND		ug/kg	900	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 D Date Collected: 11/18/21 11:30
Client ID: EPSW09 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	900	170	5
Benzoic Acid	ND		ug/kg	2900	910	5
Benzyl Alcohol	ND		ug/kg	900	280	5
Carbazole	210	J	ug/kg	900	87.	5
1,4-Dioxane	ND		ug/kg	140	41.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	65		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/05/21 08:30
Analyst: RS
Percent Solids: 98%

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.110	J	ng/g	0.484	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.100	J	ng/g	0.484	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.242	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.098	J	ng/g	0.484	0.051	1
Perfluoroheptanoic Acid (PFHpA)	0.092	J	ng/g	0.242	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.242	0.059	1
Perfluorooctanoic Acid (PFOA)	0.838		ng/g	0.242	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.484	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.484	0.132	1
Perfluorononanoic Acid (PFNA)	0.279		ng/g	0.242	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	2.85		ng/g	0.242	0.126	1
Perfluorodecanoic Acid (PFDA)	0.383	F	ng/g	0.242	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.484	0.278	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.484	0.195	1
Perfluoroundecanoic Acid (PFUnA)	0.255	J	ng/g	0.484	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.484	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.484	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.171	J	ng/g	0.484	0.082	1
Perfluorododecanoic Acid (PFDoA)	0.184	J	ng/g	0.484	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.484	0.198	1
Perfluorotetradecanoic Acid (PFTA)	0.091	J	ng/g	0.484	0.052	1
PFOA/PFOS, Total	3.69		ng/g	0.242	0.041	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 Date Collected: 11/18/21 11:50

Client ID: EPSW08 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**456**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**802**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	129		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**176**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 D
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/21 17:03
Analyst: IM
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 11/22/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340	J	ug/kg	1300	170	10
1,2,4-Trichlorobenzene	ND		ug/kg	1700	190	10
Hexachlorobenzene	ND		ug/kg	1000	190	10
Bis(2-chloroethyl)ether	ND		ug/kg	1500	230	10
2-Chloronaphthalene	ND		ug/kg	1700	170	10
1,2-Dichlorobenzene	ND		ug/kg	1700	300	10
1,3-Dichlorobenzene	ND		ug/kg	1700	290	10
1,4-Dichlorobenzene	ND		ug/kg	1700	290	10
3,3'-Dichlorobenzidine	ND		ug/kg	1700	450	10
2,4-Dinitrotoluene	ND		ug/kg	1700	340	10
2,6-Dinitrotoluene	ND		ug/kg	1700	290	10
Fluoranthene	3000		ug/kg	1000	190	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1700	180	10
4-Bromophenyl phenyl ether	ND		ug/kg	1700	260	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2000	290	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1800	170	10
Hexachlorobutadiene	ND		ug/kg	1700	250	10
Hexachlorocyclopentadiene	ND		ug/kg	4800	1500	10
Hexachloroethane	ND		ug/kg	1300	270	10
Isophorone	ND		ug/kg	1500	220	10
Naphthalene	ND		ug/kg	1700	200	10
Nitrobenzene	ND		ug/kg	1500	250	10
NDPA/DPA	ND		ug/kg	1300	190	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1700	260	10
Bis(2-ethylhexyl)phthalate	1100	J	ug/kg	1700	580	10
Butyl benzyl phthalate	ND		ug/kg	1700	420	10
Di-n-butylphthalate	ND		ug/kg	1700	320	10
Di-n-octylphthalate	ND		ug/kg	1700	570	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 D Date Collected: 11/18/21 11:50
Client ID: EPSW08 Date Received: 11/18/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1700	160	10
Dimethyl phthalate	ND		ug/kg	1700	350	10
Benzo(a)anthracene	1500		ug/kg	1000	190	10
Benzo(a)pyrene	1200	J	ug/kg	1300	410	10
Benzo(b)fluoranthene	1600		ug/kg	1000	280	10
Benzo(k)fluoranthene	610	J	ug/kg	1000	270	10
Chrysene	1400		ug/kg	1000	180	10
Acenaphthylene	300	J	ug/kg	1300	260	10
Anthracene	570	J	ug/kg	1000	330	10
Benzo(ghi)perylene	690	J	ug/kg	1300	200	10
Fluorene	240	J	ug/kg	1700	160	10
Phenanthrene	2300		ug/kg	1000	200	10
Dibenzo(a,h)anthracene	ND		ug/kg	1000	190	10
Indeno(1,2,3-cd)pyrene	770	J	ug/kg	1300	230	10
Pyrene	2700		ug/kg	1000	170	10
Biphenyl	ND		ug/kg	3800	390	10
4-Chloroaniline	ND		ug/kg	1700	310	10
2-Nitroaniline	ND		ug/kg	1700	320	10
3-Nitroaniline	ND		ug/kg	1700	320	10
4-Nitroaniline	ND		ug/kg	1700	700	10
Dibenzofuran	170	J	ug/kg	1700	160	10
2-Methylnaphthalene	ND		ug/kg	2000	200	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	180	10
Acetophenone	ND		ug/kg	1700	210	10
2,4,6-Trichlorophenol	ND		ug/kg	1000	320	10
p-Chloro-m-cresol	ND		ug/kg	1700	250	10
2-Chlorophenol	ND		ug/kg	1700	200	10
2,4-Dichlorophenol	ND		ug/kg	1500	270	10
2,4-Dimethylphenol	ND		ug/kg	1700	560	10
2-Nitrophenol	ND		ug/kg	3600	630	10
4-Nitrophenol	ND		ug/kg	2400	690	10
2,4-Dinitrophenol	ND		ug/kg	8100	780	10
4,6-Dinitro-o-cresol	ND		ug/kg	4400	810	10
Pentachlorophenol	ND		ug/kg	1300	370	10
Phenol	ND		ug/kg	1700	250	10
2-Methylphenol	ND		ug/kg	1700	260	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2400	260	10

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 D
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1700	320	10
Benzoic Acid	ND		ug/kg	5400	1700	10
Benzyl Alcohol	ND		ug/kg	1700	520	10
Carbazole	310	J	ug/kg	1700	160	10
1,4-Dioxane	ND		ug/kg	250	77.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	51		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-05
Client ID: PFB20_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 12:00
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/05/21 09:53
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/29/21 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.95	0.398	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.95	0.386	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.95	0.232	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.95	0.320	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.95	0.220	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.95	0.367	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.95	0.230	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.95	1.30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.95	0.671	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.95	0.304	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.95	0.491	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.95	0.296	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.95	1.18	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.95	0.632	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.95	0.254	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.95	0.956	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.95	0.566	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.95	0.784	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.95	0.363	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.95	0.319	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.95	0.242	1
PFOA/PFOS, Total	ND		ng/l	1.95	0.230	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-05 Date Collected: 11/18/21 12:00

Client ID: PFB20_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	142		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**233**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**331**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	108		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	108		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/22/21 17:07
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10

Client ID: EPFB02_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	9.6	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	77		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/22/21 16:05
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.07	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10

Client ID: EPFB02_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	77		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 RE
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/30/21 12:18
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/29/21 16:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 RE
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	93		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/21/21 21:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/21/21 08:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1574113-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/21/21 21:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/21/21 08:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1574113-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/21/21 21:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/21/21 08:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1574113-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	67		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/21 15:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574125-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/21 15:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574125-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/21 15:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1574125-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	69		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/22/21 15:46
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1574128-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/22/21 15:46
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 08:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1574128-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	69		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/21 17:49
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1574859-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/21 17:49
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1574859-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**221**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**358**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	117		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/05/21 16:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/23/21 08:48

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1574859-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		10-117

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/30/21 22:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/29/21 16:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1576790-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/30/21 22:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/29/21 16:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1576790-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	163		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	115		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**209**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	119		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**398**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**136**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	121		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/30/21 11:20
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/29/21 16:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1576811-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/30/21 11:20
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/29/21 16:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1576811-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	100		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1574113-2 WG1574113-3								
Acenaphthene	69		61		31-137	12		50
1,2,4-Trichlorobenzene	70		62		38-107	12		50
Hexachlorobenzene	72		67		40-140	7		50
Bis(2-chloroethyl)ether	69		59		40-140	16		50
2-Chloronaphthalene	75		67		40-140	11		50
1,2-Dichlorobenzene	71		61		40-140	15		50
1,3-Dichlorobenzene	71		61		40-140	15		50
1,4-Dichlorobenzene	71		60		28-104	17		50
3,3'-Dichlorobenzidine	67		56		40-140	18		50
2,4-Dinitrotoluene	78		69		40-132	12		50
2,6-Dinitrotoluene	86		77		40-140	11		50
Fluoranthene	75		70		40-140	7		50
4-Chlorophenyl phenyl ether	73		66		40-140	10		50
4-Bromophenyl phenyl ether	76		69		40-140	10		50
Bis(2-chloroisopropyl)ether	90		76		40-140	17		50
Bis(2-chloroethoxy)methane	70		61		40-117	14		50
Hexachlorobutadiene	75		67		40-140	11		50
Hexachlorocyclopentadiene	67		60		40-140	11		50
Hexachloroethane	70		60		40-140	15		50
Isophorone	70		60		40-140	15		50
Naphthalene	75		66		40-140	13		50
Nitrobenzene	73		64		40-140	13		50
NDPA/DPA	74		66		36-157	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1574113-2 WG1574113-3								
n-Nitrosodi-n-propylamine	73		61		32-121	18		50
Bis(2-ethylhexyl)phthalate	88		78		40-140	12		50
Butyl benzyl phthalate	81		73		40-140	10		50
Di-n-butylphthalate	79		72		40-140	9		50
Di-n-octylphthalate	88		78		40-140	12		50
Diethyl phthalate	74		67		40-140	10		50
Dimethyl phthalate	76		68		40-140	11		50
Benzo(a)anthracene	79		70		40-140	12		50
Benzo(a)pyrene	84		74		40-140	13		50
Benzo(b)fluoranthene	82		71		40-140	14		50
Benzo(k)fluoranthene	80		71		40-140	12		50
Chrysene	77		69		40-140	11		50
Acenaphthylene	78		70		40-140	11		50
Anthracene	74		68		40-140	8		50
Benzo(ghi)perylene	85		75		40-140	13		50
Fluorene	75		67		40-140	11		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	83		74		40-140	11		50
Indeno(1,2,3-cd)pyrene	86		76		40-140	12		50
Pyrene	74		67		35-142	10		50
Biphenyl	73		66		37-127	10		50
4-Chloroaniline	54		42		40-140	25		50
2-Nitroaniline	89		81		47-134	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1574113-2 WG1574113-3								
3-Nitroaniline	71		59		26-129	18		50
4-Nitroaniline	73		66		41-125	10		50
Dibenzofuran	74		65		40-140	13		50
2-Methylnaphthalene	77		68		40-140	12		50
1,2,4,5-Tetrachlorobenzene	74		66		40-117	11		50
Acetophenone	67		58		14-144	14		50
2,4,6-Trichlorophenol	82		74		30-130	10		50
p-Chloro-m-cresol	83		76		26-103	9		50
2-Chlorophenol	79		69		25-102	14		50
2,4-Dichlorophenol	83		72		30-130	14		50
2,4-Dimethylphenol	76		65		30-130	16		50
2-Nitrophenol	88		76		30-130	15		50
4-Nitrophenol	77		71		11-114	8		50
2,4-Dinitrophenol	60		65		4-130	8		50
4,6-Dinitro-o-cresol	83		79		10-130	5		50
Pentachlorophenol	61		61		17-109	0		50
Phenol	76		66		26-90	14		50
2-Methylphenol	78		66		30-130.	17		50
3-Methylphenol/4-Methylphenol	76		66		30-130	14		50
2,4,5-Trichlorophenol	86		74		30-130	15		50
Benzoic Acid	**5**	Q	12		10-110	**86**	Q	50
Benzyl Alcohol	75		64		40-140	16		50
Carbazole	74		67		54-128	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1574113-2 WG1574113-3								
1,4-Dioxane	49		41		40-140	18		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		71		25-120
Phenol-d6	78		67		10-120
Nitrobenzene-d5	74		65		23-120
2-Fluorobiphenyl	73		66		30-120
2,4,6-Tribromophenol	71		66		10-136
4-Terphenyl-d14	70		66		18-120

Lab Control Sample Analysis
Batch Quality Control

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Project Number: 170229024

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Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574125-2 WG1574125-3								
Acenaphthene	72		68		37-111	6		30
1,2,4-Trichlorobenzene	87		66		39-98	27		30
Hexachlorobenzene	65		62		40-140	5		30
Bis(2-chloroethyl)ether	82		78		40-140	5		30
2-Chloronaphthalene	76		73		40-140	4		30
1,2-Dichlorobenzene	70		66		40-140	6		30
1,3-Dichlorobenzene	70		63		40-140	11		30
1,4-Dichlorobenzene	69		64		36-97	8		30
3,3'-Dichlorobenzidine	53		61		40-140	14		30
2,4-Dinitrotoluene	76		75		48-143	1		30
2,6-Dinitrotoluene	92		84		40-140	9		30
Fluoranthene	79		77		40-140	3		30
4-Chlorophenyl phenyl ether	74		71		40-140	4		30
4-Bromophenyl phenyl ether	74		72		40-140	3		30
Bis(2-chloroisopropyl)ether	100		96		40-140	4		30
Bis(2-chloroethoxy)methane	110		84		40-140	27		30
Hexachlorobutadiene	62		58		40-140	7		30
Hexachlorocyclopentadiene	60		56		40-140	7		30
Hexachloroethane	71		60		40-140	17		30
Isophorone	93		83		40-140	11		30
Naphthalene	76		71		40-140	7		30
Nitrobenzene	88		77		40-140	13		30
NDPA/DPA	73		74		40-140	1		30

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574125-2 WG1574125-3								
n-Nitrosodi-n-propylamine	97		91		29-132	6		30
Bis(2-ethylhexyl)phthalate	104		104		40-140	0		30
Butyl benzyl phthalate	91		88		40-140	3		30
Di-n-butylphthalate	85		82		40-140	4		30
Di-n-octylphthalate	101		101		40-140	0		30
Diethyl phthalate	83		82		40-140	1		30
Dimethyl phthalate	78		74		40-140	5		30
Benzo(a)anthracene	80		81		40-140	1		30
Benzo(a)pyrene	77		80		40-140	4		30
Benzo(b)fluoranthene	87		82		40-140	6		30
Benzo(k)fluoranthene	75		78		40-140	4		30
Chrysene	79		79		40-140	0		30
Acenaphthylene	85		77		45-123	10		30
Anthracene	75		74		40-140	1		30
Benzo(ghi)perylene	75		72		40-140	4		30
Fluorene	77		75		40-140	3		30
Phenanthrene	76		72		40-140	5		30
Dibenzo(a,h)anthracene	72		71		40-140	1		30
Indeno(1,2,3-cd)pyrene	72		73		40-140	1		30
Pyrene	76		74		26-127	3		30
Biphenyl	84		79		40-140	6		30
4-Chloroaniline	**36**	Q	52		40-140	**36**	Q	30
2-Nitroaniline	85		81		52-143	5		30

Lab Control Sample Analysis
Batch Quality Control

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Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574125-2 WG1574125-3								
3-Nitroaniline	55		61		25-145	10		30
4-Nitroaniline	74		76		51-143	3		30
Dibenzofuran	72		70		40-140	3		30
2-Methylnaphthalene	80		72		40-140	11		30
1,2,4,5-Tetrachlorobenzene	73		68		2-134	7		30
Acetophenone	90		84		39-129	7		30
2,4,6-Trichlorophenol	82		77		30-130	6		30
p-Chloro-m-cresol	90		84		23-97	7		30
2-Chlorophenol	79		74		27-123	7		30
2,4-Dichlorophenol	97		73		30-130	28		30
2,4-Dimethylphenol	74		67		30-130	10		30
2-Nitrophenol	72		69		30-130	4		30
4-Nitrophenol	66		69		10-80	4		30
2,4-Dinitrophenol	50		52		20-130	4		30
4,6-Dinitro-o-cresol	77		76		20-164	1		30
Pentachlorophenol	66		66		9-103	0		30
Phenol	60		61		12-110	2		30
2-Methylphenol	79		75		30-130	5		30
3-Methylphenol/4-Methylphenol	80		80		30-130	0		30
2,4,5-Trichlorophenol	84		77		30-130	9		30
Benzoic Acid	87		86		10-164	1		30
Benzyl Alcohol	80		79		26-116	1		30
Carbazole	79		74		55-144	7		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1574125-2 WG1574125-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		53		21-120
Phenol-d6	60		59		10-120
Nitrobenzene-d5	82		75		23-120
2-Fluorobiphenyl	72		65		15-120
2,4,6-Tribromophenol	60		60		10-120
4-Terphenyl-d14	75		72		41-149

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1574128-2 WG1574128-3								
Acenaphthene	76		65		40-140	16		40
2-Chloronaphthalene	76		63		40-140	19		40
Fluoranthene	76		73		40-140	4		40
Hexachlorobutadiene	63		53		40-140	17		40
Naphthalene	76		63		40-140	19		40
Benzo(a)anthracene	76		69		40-140	10		40
Benzo(a)pyrene	78		53		40-140	38		40
Benzo(b)fluoranthene	82		104		40-140	24		40
Benzo(k)fluoranthene	79		89		40-140	12		40
Chrysene	77		73		40-140	5		40
Acenaphthylene	77		64		40-140	18		40
Anthracene	76		46		40-140	**49**	Q	40
Benzo(ghi)perylene	84		101		40-140	18		40
Fluorene	77		69		40-140	11		40
Phenanthrene	79		72		40-140	9		40
Dibenzo(a,h)anthracene	92		109		40-140	17		40
Indeno(1,2,3-cd)pyrene	96		116		40-140	19		40
Pyrene	77		72		40-140	7		40
2-Methylnaphthalene	82		68		40-140	19		40
Pentachlorophenol	94		87		40-140	8		40
Hexachlorobenzene	76		68		40-140	11		40
Hexachloroethane	59		48		40-140	21		40

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1574128-2 WG1574128-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		55		21-120
Phenol-d6	55		47		10-120
Nitrobenzene-d5	70		57		23-120
2-Fluorobiphenyl	75		64		15-120
2,4,6-Tribromophenol	73		70		10-120
4-Terphenyl-d14	77		71		41-149

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574859-2								
Perfluorobutanoic Acid (PFBA)	96		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	100		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	95		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	87		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	96		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	71		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	101		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	77		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	116		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	93		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	103		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	90		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574859-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**221**	Q			20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**296**	Q			19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	107				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78				24-159

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574859-2								
Perfluorooctanesulfonamide (FOSA)	118		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92				10-117

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1576790-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	97		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	102		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	110		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	94		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	88		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	93		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 170229024

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1576790-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	160				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**216**	Q			14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**298**	Q			10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**127**	Q			24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	114				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**132**	Q			27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83				22-136

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Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1576811-2 WG1576811-3								
Acenaphthene	84		74		40-140	13		40
2-Chloronaphthalene	86		74		40-140	15		40
Fluoranthene	103		86		40-140	18		40
Hexachlorobutadiene	81		72		40-140	12		40
Naphthalene	83		73		40-140	13		40
Benzo(a)anthracene	96		79		40-140	19		40
Benzo(a)pyrene	100		84		40-140	17		40
Benzo(b)fluoranthene	109		91		40-140	18		40
Benzo(k)fluoranthene	101		86		40-140	16		40
Chrysene	86		75		40-140	14		40
Acenaphthylene	88		74		40-140	17		40
Anthracene	91		79		40-140	14		40
Benzo(ghi)perylene	81		65		40-140	22		40
Fluorene	90		80		40-140	12		40
Phenanthrene	87		76		40-140	13		40
Dibenzo(a,h)anthracene	92		73		40-140	23		40
Indeno(1,2,3-cd)pyrene	99		77		40-140	25		40
Pyrene	100		85		40-140	16		40
2-Methylnaphthalene	92		80		40-140	14		40
Pentachlorophenol	117		98		40-140	18		40
Hexachlorobenzene	89		76		40-140	16		40
Hexachloroethane	74		65		40-140	13		40

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Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1576811-2 WG1576811-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		64		21-120
Phenol-d6	63		54		10-120
Nitrobenzene-d5	77		68		23-120
2-Fluorobiphenyl	89		79		15-120
2,4,6-Tribromophenol	109		91		10-120
4-Terphenyl-d14	110		91		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574859-3 QC Sample: L2164557-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.25	5.00	95		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.25	5.04	96		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.66	4.44	95		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.92	4.86	99		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.25	4.96	94		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.94	4.28	87		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.25	5.10	97		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.8	4.77	99		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	5.25	5.08	97		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5	4.86	97		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5	4.95	99		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.25	5.05	96		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.382	4.87	5.75	110		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.25	5.03	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.04	3.46	69		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.05	4.71	93		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.25	5.40	103		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.25	5.30	101		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.06	4.49	89		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.25	4.59	87		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.25	6.07	116		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.25	5.07	97		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574859-3 QC Sample: L2164557-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.25	6.08	116		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.25	5.28	101		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**236**	Q			19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	140				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**165**	Q			20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**71**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**59**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**64**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	28				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	68				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**4**	Q			10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**71**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**68**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76				74-139

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-3 QC Sample: L2163917-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	43.5	43.1	99		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	43.5	43.5	100		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	38.6	37.7	98		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	40.7	42.0	103		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	43.5	42.0	96		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	40.9	36.1	88		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	43.5	42.7	98		-	-		58-159	-		30
Perfluorooctanoic Acid (PFOA)	ND	43.5	42.5	98		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	41.4	42.2	102		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	41.4	37.7	91		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	43.5	43.6	100		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	40.4	41.3	102		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	43.5	45.8	105		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	41.8	33.0	79		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	41.9	39.2	94		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	43.5	41.8	96		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	43.5	43.6	100		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	42	38.7	92		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	43.5	43.3F	100		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	43.5	40.3	93		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	43.5	44.3	102		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	43.5	50.8	117		-	-		48-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-3 QC Sample: L2163917-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	43.5	37.6	86		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	424	335	79		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	41.1	38.2	93		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	43.5	39.4	90		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	43.5	28.2	65		-	-		10-119	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**288**	Q			10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**151**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**177**	Q			14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	80				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	114				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	47				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				58-132

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-3 QC Sample: L2163917-01 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	131				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574859-4 QC Sample: L2164557-02 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		85		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574859-4 QC Sample: L2164557-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.145J	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574859-4 QC Sample: L2164557-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		126		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		99		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**154**		**173**	Q	14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**182**	Q	**198**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**302**	Q	**299**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		103		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		107		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		97		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		87		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		58		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-4 QC Sample: L2163917-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-4 QC Sample: L2163917-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		141		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		101		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**134**		**171**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		94		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86		102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		93		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**168**	Q	**201**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		103		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		88		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**236**	Q	**324**	Q	10-162

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1576790-4 QC Sample: L2163917-02 Client ID: DUP Sample

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97		102		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**113**		**132**	Q	27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		77		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	86		66		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	48		51		10-206

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/21 12:28
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 16:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.41	1	A
Aroclor 1221	ND		ug/kg	38.4	3.85	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	5.18	1	A
Aroclor 1248	ND		ug/kg	38.4	5.76	1	A
Aroclor 1254	ND		ug/kg	38.4	4.20	1	A
Aroclor 1260	63.9	P	ug/kg	38.4	7.10	1	A
Aroclor 1262	ND		ug/kg	38.4	4.88	1	A
Aroclor 1268	ND		ug/kg	38.4	3.98	1	A
PCBs, Total	63.9		ug/kg	38.4	3.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**5**	Q	30-150	B
Decachlorobiphenyl	**6**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/29/21 21:47
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 16:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	3.23	1	A
Aroclor 1221	ND		ug/kg	36.3	3.64	1	A
Aroclor 1232	ND		ug/kg	36.3	7.70	1	A
Aroclor 1242	ND		ug/kg	36.3	4.90	1	A
Aroclor 1248	ND		ug/kg	36.3	5.45	1	A
Aroclor 1254	ND		ug/kg	36.3	3.98	1	A
Aroclor 1260	312		ug/kg	36.3	6.72	1	B
Aroclor 1262	ND		ug/kg	36.3	4.62	1	A
Aroclor 1268	ND		ug/kg	36.3	3.76	1	A
PCBs, Total	312		ug/kg	36.3	3.23	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	**305**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/29/21 21:56
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 16:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.43	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.26	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	38.9		ug/kg	35.0	6.47	1	B
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	38.9		ug/kg	35.0	3.11	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/21 12:50
Analyst: WR
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 16:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.2	2.86	1	A
Aroclor 1221	ND		ug/kg	32.2	3.23	1	A
Aroclor 1232	ND		ug/kg	32.2	6.83	1	A
Aroclor 1242	ND		ug/kg	32.2	4.34	1	A
Aroclor 1248	ND		ug/kg	32.2	4.83	1	A
Aroclor 1254	ND		ug/kg	32.2	3.52	1	A
Aroclor 1260	91.9		ug/kg	32.2	5.95	1	A
Aroclor 1262	ND		ug/kg	32.2	4.09	1	A
Aroclor 1268	ND		ug/kg	32.2	3.34	1	A
PCBs, Total	91.9		ug/kg	32.2	2.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/22/21 11:00
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 16:22
Cleanup Method: EPA 3665A
Cleanup Date: 11/21/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/22/21 10:34
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 11/21/21 16:22
Cleanup Method: EPA 3665A
Cleanup Date: 11/21/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/21/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06 Batch: WG1574215-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/27/21 12:07
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/26/21 16:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1576130-1						
Aroclor 1016	ND		ug/kg	31.3	2.78	A
Aroclor 1221	ND		ug/kg	31.3	3.14	A
Aroclor 1232	ND		ug/kg	31.3	6.63	A
Aroclor 1242	ND		ug/kg	31.3	4.22	A
Aroclor 1248	ND		ug/kg	31.3	4.69	A
Aroclor 1254	ND		ug/kg	31.3	3.42	A
Aroclor 1260	ND		ug/kg	31.3	5.78	A
Aroclor 1262	ND		ug/kg	31.3	3.97	A
Aroclor 1268	ND		ug/kg	31.3	3.24	A
PCBs, Total	ND		ug/kg	31.3	2.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06 Batch: WG1574215-2 WG1574215-3									
Aroclor 1016	71		77		40-140	8		50	A
Aroclor 1260	73		78		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		74		30-150	A
Decachlorobiphenyl	71		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	75		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1576130-2 WG1576130-3									
Aroclor 1016	69		74		40-140	7		50	A
Aroclor 1260	65		69		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		69		30-150	A
Decachlorobiphenyl	68		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	B
Decachlorobiphenyl	62		61		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/27/21 15:24
Analyst: JAW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.931	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	3.10	P	ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	11.0	P	ug/kg	3.49	1.50	1	B
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	6.41	P	ug/kg	2.33	0.649	1	A
trans-Chlordane	3.72		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.5	6.17	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01 Date Collected: 11/18/21 08:05

Client ID: EPSW11 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/21 12:53
Analyst: AR
Percent Solids: 85%
Methylation Date: 11/24/21 06:23

Extraction Method: EPA 8151A
Extraction Date: 11/23/21 11:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.96	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	30		30-150	A
DCAA	30		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/27/21 15:13
Analyst: JAW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.36	1.64	5	A
Lindane	ND		ug/kg	3.48	1.56	5	A
Alpha-BHC	ND		ug/kg	3.48	0.989	5	A
Beta-BHC	ND		ug/kg	8.36	3.17	5	A
Heptachlor	ND		ug/kg	4.18	1.87	5	A
Aldrin	ND		ug/kg	8.36	2.94	5	A
Heptachlor epoxide	ND		ug/kg	15.7	4.70	5	A
Endrin	ND		ug/kg	3.48	1.43	5	A
Endrin aldehyde	ND		ug/kg	10.4	3.66	5	A
Endrin ketone	ND		ug/kg	8.36	2.15	5	A
Dieldrin	ND		ug/kg	5.22	2.61	5	A
4,4'-DDE	ND		ug/kg	8.36	1.93	5	A
4,4'-DDD	ND		ug/kg	8.36	2.98	5	A
4,4'-DDT	46.6		ug/kg	15.7	6.72	5	B
Endosulfan I	ND		ug/kg	8.36	1.97	5	A
Endosulfan II	ND		ug/kg	8.36	2.79	5	A
Endosulfan sulfate	ND		ug/kg	3.48	1.66	5	A
Methoxychlor	ND		ug/kg	15.7	4.88	5	A
Toxaphene	ND		ug/kg	157	43.9	5	A
cis-Chlordane	14.7	P	ug/kg	10.4	2.91	5	A
trans-Chlordane	13.8		ug/kg	10.4	2.76	5	A
Chlordane	ND		ug/kg	69.6	27.7	5	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	**332**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02 D
Client ID: EPSW10
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/21 10:36
Analyst: EJL
Percent Solids: 91%
Methylation Date: 11/25/21 06:14

Extraction Method: EPA 8151A
Extraction Date: 11/24/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	17700	1120	100	A
2,4,5-T	ND		ug/kg	17700	550.	100	A
2,4,5-TP (Silvex)	ND		ug/kg	17700	472.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/21 10:54
Analyst: EJL
Percent Solids: 92%
Methylation Date: 11/25/21 06:14

Extraction Method: EPA 8151A
Extraction Date: 11/24/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	132		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 D
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/27/21 15:02
Analyst: JAW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.87	3.07	10	A
Alpha-BHC	ND		ug/kg	6.87	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.25	10	A
Heptachlor	ND		ug/kg	8.24	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.80	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.87	2.82	10	A
Endrin aldehyde	ND		ug/kg	20.6	7.21	10	A
Endrin ketone	ND		ug/kg	16.5	4.24	10	A
Dieldrin	ND		ug/kg	10.3	5.15	10	A
4,4'-DDE	ND		ug/kg	16.5	3.81	10	A
4,4'-DDD	ND		ug/kg	16.5	5.88	10	A
4,4'-DDT	ND		ug/kg	30.9	13.2	10	A
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.51	10	A
Endosulfan sulfate	ND		ug/kg	6.87	3.27	10	A
Methoxychlor	ND		ug/kg	30.9	9.62	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.74	10	A
trans-Chlordane	ND		ug/kg	20.6	5.44	10	A
Chlordane	ND		ug/kg	137	54.6	10	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03 D
Client ID: EPSW09
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	**16**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/27/21 14:51
Analyst: JAW
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.56	0.305	1	A
Lindane	ND		ug/kg	0.650	0.290	1	A
Alpha-BHC	ND		ug/kg	0.650	0.184	1	A
Beta-BHC	ND		ug/kg	1.56	0.591	1	A
Heptachlor	ND		ug/kg	0.780	0.350	1	A
Aldrin	ND		ug/kg	1.56	0.549	1	A
Heptachlor epoxide	1.74	JP	ug/kg	2.92	0.877	1	B
Endrin	ND		ug/kg	0.650	0.266	1	A
Endrin aldehyde	ND		ug/kg	1.95	0.682	1	A
Endrin ketone	ND		ug/kg	1.56	0.402	1	A
Dieldrin	7.98	P	ug/kg	0.975	0.487	1	B
4,4'-DDE	1.53	J	ug/kg	1.56	0.361	1	A
4,4'-DDD	ND		ug/kg	1.56	0.556	1	A
4,4'-DDT	23.0		ug/kg	2.92	1.25	1	B
Endosulfan I	ND		ug/kg	1.56	0.368	1	A
Endosulfan II	ND		ug/kg	1.56	0.521	1	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	1	A
Methoxychlor	ND		ug/kg	2.92	0.910	1	A
Toxaphene	ND		ug/kg	29.2	8.19	1	A
cis-Chlordane	3.19		ug/kg	1.95	0.543	1	A
trans-Chlordane	3.36		ug/kg	1.95	0.515	1	A
Chlordane	25.0	P	ug/kg	13.0	5.17	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04 Date Collected: 11/18/21 11:50

Client ID: EPSW08 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/21 11:12
Analyst: EJL
Percent Solids: 98%
Methylation Date: 11/25/21 06:14

Extraction Method: EPA 8151A
Extraction Date: 11/24/21 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	169	10.6	1	A
2,4,5-T	ND		ug/kg	169	5.24	1	A
2,4,5-TP (Silvex)	ND		ug/kg	169	4.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	79		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/20/21 18:52
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 11/20/21 06:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2163745

Project Number: 170229024 **Report Date:** 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06 Date Collected: 11/18/21 09:10

Client ID: EPFB02_111821 Date Received: 11/18/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 11/23/21 09:45
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 11/21/21 15:25

Methylation Date: 11/22/21 17:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	80		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/20/21 18:07
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 11/20/21 06:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1573929-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/20/21 18:07
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 11/20/21 06:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1573929-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/23/21 07:56
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 11/21/21 13:46

Methylation Date: 11/22/21 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 06 Batch: WG1574192-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/24/21 09:50
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 11/23/21 11:46

Methylation Date: 11/24/21 06:23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1575050-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/25/21 09:42
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 11/24/21 01:18

Methylation Date: 11/25/21 06:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-04 Batch: WG1575345-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.09	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	86		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/27/21 17:05
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1576146-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.282	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.756	0.339	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.84	0.851	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.662	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.945	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.350	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.882	A
Toxaphene	ND		ug/kg	28.4	7.94	A
cis-Chlordane	ND		ug/kg	1.89	0.527	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.6	5.01	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/27/21 17:05
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 11/26/21 17:55
Cleanup Method: EPA 3620B
Cleanup Date: 11/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1576146-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1573929-2 WG1573929-3									
Delta-BHC	45		48		30-150	5		20	A
Lindane	67		71		30-150	6		20	A
Alpha-BHC	63		67		30-150	6		20	A
Beta-BHC	72		76		30-150	6		20	A
Heptachlor	77		81		30-150	6		20	A
Aldrin	72		76		30-150	5		20	A
Heptachlor epoxide	73		77		30-150	6		20	A
Endrin	80		84		30-150	5		20	A
Endrin aldehyde	73		79		30-150	8		20	A
Endrin ketone	74		81		30-150	9		20	A
Dieldrin	82		86		30-150	5		20	A
4,4'-DDE	78		82		30-150	4		20	A
4,4'-DDD	83		86		30-150	3		20	A
4,4'-DDT	75		84		30-150	11		20	A
Endosulfan I	75		75		30-150	1		20	A
Endosulfan II	80		83		30-150	5		20	A
Endosulfan sulfate	69		76		30-150	10		20	A
Methoxychlor	80		86		30-150	7		20	A
cis-Chlordane	64		64		30-150	0		20	A
trans-Chlordane	82		86		30-150	5		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1573929-2 WG1573929-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	A
Decachlorobiphenyl	76		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		67		30-150	B
Decachlorobiphenyl	59		69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1574192-2 WG1574192-3									
2,4-D	85		81		30-150	5		25	A
2,4,5-T	88		85		30-150	3		25	A
2,4,5-TP (Silvex)	90		85		30-150	6		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		81		30-150	A
DCAA	83		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1575050-2 WG1575050-3									
2,4-D	63		67		30-150	6		30	A
2,4,5-T	63		69		30-150	9		30	A
2,4,5-TP (Silvex)	64		69		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	61		66		30-150	A
DCAA	80		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-04 Batch: WG1575345-2 WG1575345-3									
2,4-D	91		84		30-150	8		30	A
2,4,5-T	92		85		30-150	8		30	A
2,4,5-TP (Silvex)	95		87		30-150	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	99		91		30-150	A
DCAA	92		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1576146-2 WG1576146-3									
Delta-BHC	78		82		30-150	5		30	A
Lindane	93		88		30-150	6		30	A
Alpha-BHC	75		72		30-150	4		30	A
Beta-BHC	92		85		30-150	8		30	A
Heptachlor	93		95		30-150	2		30	A
Aldrin	82		90		30-150	9		30	A
Heptachlor epoxide	73		80		30-150	9		30	A
Endrin	91		95		30-150	4		30	A
Endrin aldehyde	52		54		30-150	4		30	A
Endrin ketone	75		83		30-150	10		30	A
Dieldrin	93		97		30-150	4		30	A
4,4'-DDE	80		85		30-150	6		30	A
4,4'-DDD	104		110		30-150	6		30	A
4,4'-DDT	95		100		30-150	5		30	A
Endosulfan I	78		81		30-150	4		30	A
Endosulfan II	89		95		30-150	7		30	A
Endosulfan sulfate	79		86		30-150	8		30	A
Methoxychlor	92		103		30-150	11		30	A
cis-Chlordane	63		64		30-150	2		30	A
trans-Chlordane	101		99		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1576146-2 WG1576146-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		86		30-150	A
Decachlorobiphenyl	88		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		82		30-150	B
Decachlorobiphenyl	88		84		30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2163745
Project Number: 170229024
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY
Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5070		mg/kg	9.27	2.50	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Antimony, Total	2.20	J	mg/kg	4.63	0.352	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Arsenic, Total	6.24		mg/kg	0.927	0.193	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Barium, Total	90.8		mg/kg	0.927	0.161	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Beryllium, Total	0.676		mg/kg	0.463	0.031	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Cadmium, Total	3.08		mg/kg	0.927	0.091	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Calcium, Total	58600		mg/kg	9.27	3.24	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Chromium, Total	38.2		mg/kg	0.927	0.089	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Cobalt, Total	8.08		mg/kg	1.85	0.154	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Copper, Total	187		mg/kg	0.927	0.239	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Iron, Total	19600		mg/kg	4.63	0.837	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Lead, Total	301		mg/kg	4.63	0.248	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Magnesium, Total	26800		mg/kg	9.27	1.43	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Manganese, Total	342		mg/kg	0.927	0.147	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Mercury, Total	0.223		mg/kg	0.075	0.049	1	11/23/21 11:15	11/23/21 23:03	EPA 7471B	1,7471B	AC
Nickel, Total	38.6		mg/kg	2.32	0.224	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Potassium, Total	496		mg/kg	232	13.3	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Selenium, Total	0.899	J	mg/kg	1.85	0.239	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Silver, Total	0.612	J	mg/kg	0.927	0.262	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Sodium, Total	200		mg/kg	185	2.92	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Thallium, Total	0.389	J	mg/kg	1.85	0.292	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Vanadium, Total	32.1		mg/kg	0.927	0.188	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
Zinc, Total	1280		mg/kg	4.63	0.272	2	11/23/21 09:55	11/30/21 13:15	EPA 3050B	1,6010D	EW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	38		mg/kg	0.94	0.94	1		11/30/21 13:15	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02
Client ID: EPSW10
Sample Location: BROOKLYN, NY
Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3190		mg/kg	8.61	2.32	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Antimony, Total	1.46	J	mg/kg	4.30	0.327	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Arsenic, Total	12.1		mg/kg	0.861	0.179	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Barium, Total	111		mg/kg	0.861	0.150	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Beryllium, Total	0.310	J	mg/kg	0.430	0.028	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Cadmium, Total	2.73		mg/kg	0.861	0.084	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Calcium, Total	96400		mg/kg	86.1	30.1	20	11/23/21 09:55	11/30/21 14:19	EPA 3050B	1,6010D	EW
Chromium, Total	42.0		mg/kg	0.861	0.083	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Cobalt, Total	5.96		mg/kg	1.72	0.143	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Copper, Total	100		mg/kg	0.861	0.222	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Iron, Total	12600		mg/kg	4.30	0.777	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Lead, Total	422		mg/kg	4.30	0.231	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Magnesium, Total	60700		mg/kg	86.1	13.2	20	11/23/21 09:55	11/30/21 14:19	EPA 3050B	1,6010D	EW
Manganese, Total	536		mg/kg	0.861	0.137	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Mercury, Total	0.671		mg/kg	0.070	0.046	1	11/23/21 11:15	11/23/21 23:06	EPA 7471B	1,7471B	AC
Nickel, Total	26.5		mg/kg	2.15	0.208	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Potassium, Total	459		mg/kg	215	12.4	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Selenium, Total	1.32	J	mg/kg	1.72	0.222	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Silver, Total	0.766	J	mg/kg	0.861	0.244	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Sodium, Total	148	J	mg/kg	172	2.71	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Thallium, Total	0.740	J	mg/kg	1.72	0.271	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Vanadium, Total	54.2		mg/kg	0.861	0.175	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
Zinc, Total	1310		mg/kg	4.30	0.252	2	11/23/21 09:55	11/30/21 13:20	EPA 3050B	1,6010D	EW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	42		mg/kg	0.88	0.88	1		11/30/21 13:20	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2163745
Project Number: 170229024
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY
Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2630		mg/kg	8.53	2.30	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Antimony, Total	0.392	J	mg/kg	4.26	0.324	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Arsenic, Total	5.94		mg/kg	0.853	0.177	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Barium, Total	51.5		mg/kg	0.853	0.148	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Beryllium, Total	0.179	J	mg/kg	0.426	0.028	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Cadmium, Total	0.682	J	mg/kg	0.853	0.084	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Calcium, Total	74300		mg/kg	85.3	29.8	20	11/23/21 09:55	11/30/21 14:24	EPA 3050B	1,6010D	EW
Chromium, Total	9.04		mg/kg	0.853	0.082	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Cobalt, Total	2.83		mg/kg	1.70	0.142	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Copper, Total	33.5		mg/kg	0.853	0.220	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Iron, Total	9080		mg/kg	4.26	0.770	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Lead, Total	81.4		mg/kg	4.26	0.228	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Magnesium, Total	51300		mg/kg	8.53	1.31	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Manganese, Total	176		mg/kg	0.853	0.136	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Mercury, Total	0.088		mg/kg	0.070	0.046	1	11/23/21 11:15	11/23/21 23:09	EPA 7471B	1,7471B	AC
Nickel, Total	8.67		mg/kg	2.13	0.206	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Potassium, Total	379		mg/kg	213	12.3	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Selenium, Total	0.606	J	mg/kg	1.70	0.220	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.853	0.241	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Sodium, Total	129	J	mg/kg	170	2.69	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.70	0.269	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Vanadium, Total	25.0		mg/kg	0.853	0.173	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
Zinc, Total	149		mg/kg	4.26	0.250	2	11/23/21 09:55	11/30/21 13:25	EPA 3050B	1,6010D	EW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	8.8	J	mg/kg	0.87	0.87	1		11/30/21 13:25	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY
Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2090		mg/kg	7.92	2.14	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Antimony, Total	1.21	J	mg/kg	3.96	0.301	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Arsenic, Total	7.80		mg/kg	0.792	0.165	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Barium, Total	64.7		mg/kg	0.792	0.138	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Beryllium, Total	0.182	J	mg/kg	0.396	0.026	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Cadmium, Total	2.00		mg/kg	0.792	0.078	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Calcium, Total	76900		mg/kg	79.2	27.7	20	11/23/21 09:55	11/30/21 14:28	EPA 3050B	1,6010D	EW
Chromium, Total	20.0		mg/kg	0.792	0.076	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Cobalt, Total	4.14		mg/kg	1.58	0.131	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Copper, Total	52.2		mg/kg	0.792	0.204	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Iron, Total	14900		mg/kg	3.96	0.715	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Lead, Total	221		mg/kg	3.96	0.212	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Magnesium, Total	57800		mg/kg	79.2	12.2	20	11/23/21 09:55	11/30/21 14:28	EPA 3050B	1,6010D	EW
Manganese, Total	250		mg/kg	0.792	0.126	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Mercury, Total	0.255		mg/kg	0.065	0.042	1	11/23/21 11:15	11/23/21 23:19	EPA 7471B	1,7471B	AC
Nickel, Total	12.9		mg/kg	1.98	0.192	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Potassium, Total	352		mg/kg	198	11.4	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Selenium, Total	0.689	J	mg/kg	1.58	0.204	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Silver, Total	0.412	J	mg/kg	0.792	0.224	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Sodium, Total	113	J	mg/kg	158	2.49	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Thallium, Total	0.491	J	mg/kg	1.58	0.249	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Vanadium, Total	27.6		mg/kg	0.792	0.161	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
Zinc, Total	1520		mg/kg	3.96	0.232	2	11/23/21 09:55	11/30/21 13:29	EPA 3050B	1,6010D	EW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.82	0.82	1		11/30/21 13:29	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY
Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Chromium, Total	0.00025	J	mg/l	0.00100	0.00017	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/22/21 09:17	11/22/21 13:28	EPA 7470A	1,7470A	AC
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Thallium, Total	0.00025	J	mg/l	0.00200	0.00014	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/22/21 09:13	11/23/21 15:43	EPA 3005A	1,6020B	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		11/23/21 15:43	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06 Batch: WG1573624-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/22/21 09:17	11/22/21 13:21	1,7470A	AC

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06 Batch: WG1574438-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Thallium, Total	0.00032	J	mg/l	0.00200	0.00014	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/22/21 09:13	11/23/21 14:29	1,6020B	PS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1574620-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Iron, Total	1.06	J	mg/kg	2.00	0.361	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Sodium, Total	2.40	J	mg/kg	80.0	1.26	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/23/21 09:55	11/30/21 11:02	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/23/21 09:55	11/24/21 14:15	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1574621-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/23/21 11:15	11/23/21 22:39	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1573624-2								
Mercury, Total	107		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1574438-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	110	-	80-120	-	
Beryllium, Total	114	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Calcium, Total	87	-	80-120	-	
Chromium, Total	105	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	112	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	113	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	112	-	80-120	-	
Thallium, Total	117	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1574438-2					
Zinc, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574620-2 SRM Lot Number: D109-540					
Aluminum, Total	74	-	50-150	-	
Antimony, Total	136	-	19-250	-	
Arsenic, Total	95	-	70-130	-	
Barium, Total	90	-	75-125	-	
Beryllium, Total	90	-	75-125	-	
Cadmium, Total	85	-	75-125	-	
Calcium, Total	87	-	73-128	-	
Chromium, Total	86	-	70-130	-	
Cobalt, Total	88	-	75-125	-	
Copper, Total	93	-	75-125	-	
Iron, Total	95	-	35-165	-	
Lead, Total	92	-	72-128	-	
Magnesium, Total	82	-	62-138	-	
Manganese, Total	97	-	74-126	-	
Nickel, Total	88	-	70-130	-	
Potassium, Total	90	-	59-141	-	
Selenium, Total	95	-	68-132	-	
Silver, Total	95	-	68-131	-	
Sodium, Total	100	-	35-165	-	
Thallium, Total	90	-	68-131	-	
Vanadium, Total	93	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574620-2 SRM Lot Number: D109-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1574621-2 SRM Lot Number: D109-540					
Mercury, Total	104	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1573624-3 QC Sample: L2163745-06 Client ID: EPFB02_111821												
Mercury, Total	ND	0.005	0.00490	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1574438-3 QC Sample: L2163471-08 Client ID: MS Sample									
Aluminum, Total	0.00620J	2	2.08	104	-	-	75-125	-	20
Antimony, Total	0.00058J	0.5	0.4400	88	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1235	103	-	-	75-125	-	20
Barium, Total	ND	2	2.138	107	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05360	107	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05705	108	-	-	75-125	-	20
Calcium, Total	0.126	10	8.66	85	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1991	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4999	100	-	-	75-125	-	20
Copper, Total	ND	0.25	0.2585	103	-	-	75-125	-	20
Iron, Total	ND	1	1.06	106	-	-	75-125	-	20
Lead, Total	ND	0.53	0.5547	105	-	-	75-125	-	20
Magnesium, Total	ND	10	11.3	113	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.5018	100	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.5097	102	-	-	75-125	-	20
Potassium, Total	ND	10	11.0	110	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.118	98	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05413	108	-	-	75-125	-	20
Sodium, Total	ND	10	10.8	108	-	-	75-125	-	20
Thallium, Total	0.00039J	0.12	0.1379	115	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5047	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1574438-3 QC Sample: L2163471-08 Client ID: MS Sample									
Zinc, Total	0.01137	0.5	0.5218	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574620-3 QC Sample: L2163586-01 Client ID: MS Sample										
Aluminum, Total	5840	172	6590	**435**	Q	-	-	75-125	-	20
Antimony, Total	ND	43.1	32.6	76		-	-	75-125	-	20
Arsenic, Total	2.29	10.3	11.5	89		-	-	75-125	-	20
Barium, Total	29.4	172	174	84		-	-	75-125	-	20
Beryllium, Total	0.274	4.31	3.94	85		-	-	75-125	-	20
Cadmium, Total	0.073J	4.57	3.48	76		-	-	75-125	-	20
Calcium, Total	2080	862	2620	**63**	Q	-	-	75-125	-	20
Chromium, Total	9.66	17.2	24.3	85		-	-	75-125	-	20
Cobalt, Total	6.23	43.1	37.8	**73**	Q	-	-	75-125	-	20
Copper, Total	26.8	21.5	41.5	**68**	Q	-	-	75-125	-	20
Iron, Total	13300	86.2	14500	**1390**	Q	-	-	75-125	-	20
Lead, Total	5.35	45.7	39.9	76		-	-	75-125	-	20
Magnesium, Total	2610	862	3170	**65**	Q	-	-	75-125	-	20
Manganese, Total	295	43.1	406	**258**	Q	-	-	75-125	-	20
Nickel, Total	9.64	43.1	42.4	76		-	-	75-125	-	20
Potassium, Total	472	862	1270	92		-	-	75-125	-	20
Selenium, Total	ND	10.3	8.37	81		-	-	75-125	-	20
Silver, Total	ND	25.8	21.0	81		-	-	75-125	-	20
Sodium, Total	146	862	859	83		-	-	75-125	-	20
Thallium, Total	ND	10.3	7.20	**70**	Q	-	-	75-125	-	20
Vanadium, Total	23.3	43.1	58.4	81		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574620-3 QC Sample: L2163586-01 Client ID: MS Sample									
Zinc, Total	35.4	43.1	73.6	89	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574621-3 QC Sample: L2163586-01 Client ID: MS Sample									
Mercury, Total	ND	0.142	0.160	113	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1573624-4 QC Sample: L2163745-06 Client ID: EPFB02_111821						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1574438-4 QC Sample: L2163471-08 Client ID: DUP Sample					
Aluminum, Total	0.00620J	0.00676J	mg/l	NC	20
Antimony, Total	0.00058J	0.00106J	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	0.126	0.114	mg/l	10	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1574438-4 QC Sample: L2163471-08 Client ID: DUP Sample						
Thallium, Total	0.00039J	0.00104J	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.01137	0.01123	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574620-4 QC Sample: L2163586-01 Client ID: DUP Sample						
Arsenic, Total	2.29	2.85	mg/kg	**22**	Q	20
Barium, Total	29.4	31.8	mg/kg	8		20
Cadmium, Total	0.073J	0.071J	mg/kg	NC		20
Chromium, Total	9.66	10.2	mg/kg	5		20
Lead, Total	5.35	6.35	mg/kg	17		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574621-4 QC Sample: L2163586-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1574620-6 QC Sample: L2163586-01 Client ID: DUP Sample						
Barium, Total	29.4	31.5	mg/kg	7		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-01
Client ID: EPSW11
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 11/18/21 08:05
Date Received: 11/18/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	11/19/21 11:35	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.944	0.189	1	11/23/21 20:50	11/24/21 12:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-02
Client ID: EPSW10
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/18/21 08:10
Date Received: 11/18/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	11/19/21 11:35	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.878	0.176	1	11/23/21 20:50	11/24/21 12:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-03
Client ID: EPSW09
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/18/21 11:30
Date Received: 11/18/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	11/19/21 11:35	121,2540G	RI
Chromium, Hexavalent	0.218	J	mg/kg	0.873	0.175	1	11/23/21 20:50	11/24/21 12:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-04
Client ID: EPSW08
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/18/21 11:50
Date Received: 11/18/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.5		%	0.100	NA	1	-	11/19/21 11:35	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.820	0.164	1	11/23/21 20:50	11/24/21 12:25	1,7196A	JT

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163745-06
Client ID: EPFB02_111821
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 11/18/21 09:10
Date Received: 11/18/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/19/21 06:55	11/19/21 07:28	1,7196A	KP

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1573415-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/19/21 06:55	11/19/21 07:24	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1574495-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/23/21 20:50	11/24/21 12:25	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2163745

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1573415-2								
Chromium, Hexavalent	106		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1574495-2								
Chromium, Hexavalent	88		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1573415-4 QC Sample: L2163745-06 Client ID: EPFB02_111821												
Chromium, Hexavalent	ND	0.1	0.105	105		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1574495-4 QC Sample: L2163745-01 Client ID: EPSW11												
Chromium, Hexavalent	ND	1080	482	**45**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1573415-3 QC Sample: L2163745-06 Client ID: EPFB02_111821						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1573505-1 QC Sample: L2163991-01 Client ID: DUP Sample						
Solids, Total	81.6	81.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1574495-6 QC Sample: L2163745-01 Client ID: EPSW11						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2163745-01A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2163745-01B	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-01C	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-01D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2163745-01E	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2163745-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2163745-01G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-01H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2163745-01J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-02A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2163745-02B	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-02C	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-02D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2163745-02E	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2163745-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TRICR-CALC(30),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2163745-02G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2163745-02H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2163745-02J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-03A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2163745-03B	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-03C	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-03D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2163745-03E	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2163745-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TRICR-CALC(30),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2163745-03G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-03H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2163745-03J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-04A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2163745-04B	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-04C	Vial water preserved	A	NA		4.6	Y	Absent	19-NOV-21 03:45	NYTCL-8260HLW(14)
L2163745-04D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L2163745-04E	Plastic 120ml unpreserved	A	NA		4.6	Y	Absent		TS(7)
L2163745-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TRICR-CALC(30),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2163745-04G	Glass 120ml/4oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-04H	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2163745-04J	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2163745-05A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2163745
Report Date: 12/06/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2163745-06A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2163745-06B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2163745-06C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2163745-06D	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8082-LVI(365)
L2163745-06E	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8082-LVI(365)
L2163745-06F	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8081(7)
L2163745-06G	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8081(7)
L2163745-06H	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2163745-06J	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2163745-06K	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2163745-06L	Plastic 500ml unpreserved	A	7	7	4.6	Y	Absent		HEXCR-7196(1)
L2163745-06M	Amber 1000ml unpreserved	A	7	7	4.6	Y	Absent		HERB-APA(7)
L2163745-06N	Amber 1000ml unpreserved	A	7	7	4.6	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2163745
Report Date: 12/06/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2163745
Project Number:	170229024	**Report Date:**	12/06/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL
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8 Walkup Dr.
TEL: 508-898-9220
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NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/18/21

ALPHA Job #: L2163745

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project #: 170 224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Client Information
Client: Langan DPC
Address: 360 W 31th Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-474-5444
Email: w kim @ langan

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticide/Herbicides	TAL Metal/4 ex tri	PFAS	1,4 dioxide		Sample Specific Comments	Total Bottle
63745-01	EPSW11	11/18/2021	0805	Soil	YMD	X	X	X	X	X	X	X			
-02	EPSW10	↓	0810	↓	↓	X	X	X	X	X	X	X			
-03	EPSW09	↓	1130	↓	↓	X	X	X	X	X	X	X			
-04	EPSW08	↓	1150	↓	↓	X	X	X	X	X	X	X			
-05	PFB20_111821	↓	1200	AQ	↓	~~X~~ YMD	~~X~~ YMD	~~X~~ YMD			X			Should only be sampler for PFAS	
-06	EPFB02_111821	↓	0910	AQ	↓	X	X	X	X	X					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	11/18/21 1445	[signature]	11/18/21 14:45
[signature]	11/18/21 18:25	[signature] AAL	11/18 1930
[signature] AAL	11/18	[signature] AAL	11/18/21 21:30
[signature] AAL	11/18/21 23:40	[signature]	11/18/21 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166485
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	01/04/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166485-01	EPSW04	SOIL	BROOKLYN, NY	12/02/21 16:30	12/03/21
L2166485-02	EP45_2	SOIL	BROOKLYN, NY	12/02/21 15:30	12/03/21
L2166485-03	EP39_2	SOIL	BROOKLYN, NY	12/02/21 14:45	12/03/21
L2166485-04	EPDUP03_120221	SOIL	BROOKLYN, NY	12/02/21 00:00	12/03/21
L2166485-05	PFB22_120221	WATER	BROOKLYN, NY	12/02/21 17:11	12/03/21
L2166485-06	EPFB03_120221	WATER	BROOKLYN, NY	12/02/21 17:15	12/03/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166485
Project Number:	170229024	**Report Date:**	01/04/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485
Project Number: 170229024 **Report Date:** 01/04/22

Case Narrative (continued)

Report Revision

January 04, 2022: The Client ID was amended on L2166485-01.

Report Submission

December 17, 2021: This final report includes the results of all requested analyses.

December 10, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

L2166485-03: The surrogate recovery was below the acceptance criteria for dibromofluoromethane (68%); however, re-analysis achieved similar results: dibromofluoromethane (51%). The results of both analyses are reported.

The WG1580225-6/-7 MS/MSD recoveries, performed on L2166485-02, are below the acceptance criteria for 1,1,2,2-tetrachloroethane (0%/0%) and vinyl acetate (0%/0%) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.

The surrogate recovery for the WG1580225-6 MS, performed on L2166485-02, is outside the acceptance criteria for dibromofluoromethane (58%); however, analysis of the WG1580225-7 MSD achieved similar results: dibromofluoromethane (55%). The results of both analyses are reported.

Semivolatile Organics

L2166485-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2166485-02: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (9%) and

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485
Project Number: 170229024 **Report Date:** 01/04/22

Case Narrative (continued)

2,4,6-tribromophenol (2%); however, the recoveries were confirmed by the QC performed on this sample; therefore, re-extraction was not required.
L2166485-04: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (146%), phenol-d6 (151%), nitrobenzene-d5 (139%) and 2-fluorobiphenyl (130%); the surrogate criteria was achieved upon re-extraction. The results of both extractions are reported, with the exception of 3,3'-Dichlorobenzidine from the re-extraction due to failing QC for this analyte.
The WG1579620-2 LCS recovery, associated with L2166485-01D, -02, -03, and -04, is below the acceptance criteria for benzoic acid (8%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG1581221-2/-3 LCS/LCSD recoveries, associated with L2166485-04RE, are below the acceptance criteria for 3-nitroaniline (LCS at 9%), benzoic acid (1%/9%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG1579620-4 MS recoveries, performed on L2166485-02, are outside the acceptance criteria for fluoranthene (0%), phenanthrene (0%), and pyrene (0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.
The WG1579620-4/-5 MS/MSD recoveries, performed on L2166485-02, are below the acceptance criteria for hexachlorocyclopentadiene (MSD at 0%), 2,4,6-trichlorophenol (0%/0%), 2-nitrophenol (MSD at 0%), 4-nitrophenol (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), pentachlorophenol (0%/0%), 2,4,5-trichlorophenol (MSD at 0%), and benzoic acid (0%/0%) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.
The surrogate recoveries for the WG1579620-4 MS, performed on L2166485-02, are outside the acceptance criteria for 2-fluorophenol (10%) and 2,4,6-tribromophenol (3%).
The surrogate recoveries for the WG1579620-5 MSD, performed on L2166485-02, are outside the acceptance criteria for 2-fluorophenol (3%) and 2,4,6-tribromophenol (0%).

Perfluorinated Alkyl Acids by Isotope Dilution
L2166485-02, WG1579535-3 and WG1579535-4: Extracted Internal Standard recoveries were outside the

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Case Narrative (continued)

acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Pesticides

L2166485-01: The sample contains peaks which match the retention times for Chlordane, but do not match the area ratios in the reference standard.

The WG1579672-5 MSD recovery, performed on L2166485-02, is below the acceptance criteria for delta-bhc (0%) due to the concentration of this compound in the MSD falling below the reported detection limit.

Total Metals

L2166485-01 through -04: The sample has elevated detection limits for all elements, with the exception of chromium, mercury, and nickel, due to the dilution required by matrix interferences encountered during analysis.

L2166485-06: The Field Blank has a concentration above the reporting limit for Copper. The results were confirmed.

The WG1579602-1 Method Blank, associated with L2166485-01 through -04, has a concentration above the reporting limit for iron and manganese. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1579602-3/-4 MS/MSD recoveries for aluminum (43%/280%), calcium (0%/0%), iron (0%/516%), lead (36%/287%) manganese (MS at 54%), and zinc (MSD at 2760%), performed on L2166485-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1579602-3 MS recovery, performed on L2166485-02, are outside the acceptance criteria for copper (68%). A post digestion spike was performed and yielded an unacceptable recovery for copper (79%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1579602-4 MSD recoveries, performed on L2166485-02, are outside the acceptance criteria for antimony (74%), barium (305%) and cadmium (133%). A post digestion spike was performed and was within

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Case Narrative (continued)

acceptance criteria.

The WG1579602-3/-4 MS/MSD RPDs for barium (51%), lead (22%) and zinc (120%), performed on L2166485-02, are above the acceptance criteria.

The WG1579604-3/-4 MS/MSD recoveries for mercury (262%/0%), performed on L2166485-02, do not apply because the sample concentration is greater than four times the spike amount added.

The WG1579604-3/-4 Laboratory Duplicate RPD for mercury (27%), performed on L2166485-02, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1580970-3/-4 MS/MSD recoveries, performed on L2166485-02, are outside the acceptance criteria for chromium (71%/74%). A post digestion spike was performed and yielded an unacceptable recovery for chromium (74%). The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1580970-3/-4 MS/MSD recoveries, performed on L2166485-02, are outside the acceptance criteria for nickel (57%/53%). A post digestion spike was performed and yielded an unacceptable recovery for nickel (69%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1580970-6 serial dilution analysis, associated with L2166485-02, had a %D above the acceptance criteria for chromium (35%).

Hexavalent Chromium

L2166485-06: The sample was analyzed with the method required holding time exceeded.

The WG1580291-4/-5 MS/MSD RPD, performed on L2166485-02, is above the acceptance criteria for chromium, hexavalent (23%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 01/04/22

ORGANICS

VOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/21 14:04
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	0.50	J	ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

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Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 Date Collected: 12/02/21 16:30

Client ID: EPSW04 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 Date Collected: 12/02/21 16:30

Client ID: EPSW04 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	101		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/21 15:22
Analyst: JC
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	2.9		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	0.99	J	ug/kg	1.2	0.65	1
Ethylbenzene	0.79	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	2.7		ug/kg	2.4	0.67	1
o-Xylene	1.9		ug/kg	1.2	0.35	1
Xylenes, Total	4.6		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	290		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	6.8	J	ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	1.7		ug/kg	1.2	0.20	1
sec-Butylbenzene	1.0	J	ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	0.60	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.84	J	ug/kg	1.2	0.13	1
Naphthalene	2.1	J	ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

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Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.0	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	3.2		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	9.0		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	7.1		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	2.6		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	84		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/21 14:06
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.7	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	0.70	J	ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.22	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	0.87	0.34	1
Chlorobenzene	ND		ug/kg	0.87	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.0	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	0.87	0.29	1
Bromodichloromethane	ND		ug/kg	0.87	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	0.87	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.87	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.87	0.28	1
Bromoform	ND		ug/kg	7.0	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.87	0.29	1
Benzene	ND		ug/kg	0.87	0.29	1
Toluene	ND		ug/kg	1.7	0.94	1
Ethylbenzene	0.25	J	ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	7.0	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.7	0.58	1
Chloroethane	ND		ug/kg	3.5	0.78	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.87	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.35	1
p/m-Xylene	ND		ug/kg	3.5	0.97	1
o-Xylene	ND		ug/kg	1.7	0.50	1
Xylenes, Total	ND		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	3.5	0.41	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	54		ug/kg	17	8.4	1
Carbon disulfide	ND		ug/kg	17	7.9	1
2-Butanone	ND		ug/kg	17	3.8	1
Vinyl acetate	ND		ug/kg	17	3.7	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.5	0.22	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.5	0.35	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	3.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.87	0.23	1
Bromobenzene	ND		ug/kg	3.5	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.29	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.5	0.20	1
o-Chlorotoluene	ND		ug/kg	3.5	0.33	1
p-Chlorotoluene	ND		ug/kg	3.5	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.29	1
Isopropylbenzene	ND		ug/kg	1.7	0.19	1
p-Isopropyltoluene	0.30	J	ug/kg	1.7	0.19	1
Naphthalene	7.1		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	7.0	2.0	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	0.56	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.47	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.5	0.34	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.5	0.58	1
1,4-Dioxane	ND		ug/kg	140	61.	1
p-Diethylbenzene	ND		ug/kg	3.5	0.31	1
p-Ethyltoluene	ND		ug/kg	3.5	0.67	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.33	1
Ethyl ether	ND		ug/kg	3.5	0.59	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	**68**	Q	70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 R
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/08/21 15:20
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	0.35	J	ug/kg	2.3	0.22	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.77	0.30	1
Chlorobenzene	ND		ug/kg	0.77	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.2	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.26	1
Bromodichloromethane	ND		ug/kg	0.77	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.77	0.24	1
Bromoform	ND		ug/kg	6.2	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.26	1
Benzene	ND		ug/kg	0.77	0.26	1
Toluene	ND		ug/kg	1.5	0.84	1
Ethylbenzene	0.32	J	ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.2	1.4	1
Bromomethane	ND		ug/kg	3.1	0.90	1
Vinyl chloride	ND		ug/kg	1.5	0.52	1
Chloroethane	ND		ug/kg	3.1	0.70	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 R Date Collected: 12/02/21 14:45
Client ID: EP39_2 Date Received: 12/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.86	1
o-Xylene	ND		ug/kg	1.5	0.45	1
Xylenes, Total	ND		ug/kg	1.5	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	62		ug/kg	15	7.4	1
Carbon disulfide	ND		ug/kg	15	7.0	1
2-Butanone	4.1	J	ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.29	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	0.18	J	ug/kg	1.5	0.17	1
Naphthalene	3.3	J	ug/kg	6.2	1.0	1
Acrylonitrile	ND		ug/kg	6.2	1.8	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 R Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.51	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.27	1
p-Ethyltoluene	ND		ug/kg	3.1	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.29	1
Ethyl ether	ND		ug/kg	3.1	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	**51**	Q	70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/21 14:44
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.45	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.22	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.73	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
Xylenes, Total	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.22	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/05/21 16:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06 Date Collected: 12/02/21 17:15

Client ID: EPFB03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06 Date Collected: 12/02/21 17:15

Client ID: EPFB03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 11:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579655-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 11:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579655-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 11:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579655-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/21 06:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1580225-12					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.20	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.78	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/21 06:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1580225-12					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.5	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/08/21 06:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1580225-12					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 07:44
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1580225-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.15	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 07:44
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1580225-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.3	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 07:44
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1580225-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579655-3 WG1579655-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	90		91		63-132	1		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	98		100		63-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	95		95		67-130	0		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	89		92		54-136	3		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		120		64-130	9		20
Bromomethane	68		70		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579655-3 WG1579655-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	96		100		63-130	4		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	98		100		70-130	2		20
1,2,3-Trichloropropane	99		100		64-130	1		20
Acrylonitrile	130		130		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	79		82		36-147	4		20
Acetone	120		140		58-148	15		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	94		100		59-130	6		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579655-3 WG1579655-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	88		90		63-133	2		20
1,2-Dibromoethane	97		99		70-130	2		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	93		93		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	98		98		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	82		92		41-144	11		20
Hexachlorobutadiene	91		93		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	97		98		70-130	1		20
Naphthalene	86		94		70-130	9		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	90		97		70-130	7		20
1,2,4-Trichlorobenzene	90		94		70-130	4		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	96		97		70-130	1		20
1,4-Dioxane	132		124		56-162	6		20
p-Diethylbenzene	95		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579655-3 WG1579655-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	104		107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1580225-10 WG1580225-11								
Methylene chloride	77		81		70-130	5		30
1,1-Dichloroethane	86		91		70-130	6		30
Chloroform	86		93		70-130	8		30
Carbon tetrachloride	88		94		70-130	7		30
1,2-Dichloropropane	84		90		70-130	7		30
Dibromochloromethane	94		100		70-130	6		30
1,1,2-Trichloroethane	90		96		70-130	6		30
Tetrachloroethene	99		105		70-130	6		30
Chlorobenzene	95		101		70-130	6		30
Trichlorofluoromethane	89		93		70-139	4		30
1,2-Dichloroethane	80		86		70-130	7		30
1,1,1-Trichloroethane	90		97		70-130	7		30
Bromodichloromethane	87		93		70-130	7		30
trans-1,3-Dichloropropene	88		94		70-130	7		30
cis-1,3-Dichloropropene	90		96		70-130	6		30
1,1-Dichloropropene	92		97		70-130	5		30
Bromoform	91		98		70-130	7		30
1,1,2,2-Tetrachloroethane	92		97		70-130	5		30
Benzene	91		98		70-130	7		30
Toluene	93		99		70-130	6		30
Ethylbenzene	97		103		70-130	6		30
Chloromethane	91		96		52-130	5		30
Bromomethane	101		110		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1580225-10 WG1580225-11								
Vinyl chloride	98		102		67-130	4		30
Chloroethane	92		100		50-151	8		30
1,1-Dichloroethene	94		98		65-135	4		30
trans-1,2-Dichloroethene	92		97		70-130	5		30
Trichloroethene	89		96		70-130	8		30
1,2-Dichlorobenzene	94		101		70-130	7		30
1,3-Dichlorobenzene	97		104		70-130	7		30
1,4-Dichlorobenzene	97		103		70-130	6		30
Methyl tert butyl ether	87		92		66-130	6		30
p/m-Xylene	98		104		70-130	6		30
o-Xylene	98		105		70-130	7		30
cis-1,2-Dichloroethene	88		94		70-130	7		30
Dibromomethane	84		89		70-130	6		30
Styrene	101		108		70-130	7		30
Dichlorodifluoromethane	87		91		30-146	4		30
Acetone	88		94		54-140	7		30
Carbon disulfide	80		85		59-130	6		30
2-Butanone	75		79		70-130	5		30
Vinyl acetate	84		90		70-130	7		30
4-Methyl-2-pentanone	81		88		70-130	8		30
1,2,3-Trichloropropane	87		91		68-130	4		30
2-Hexanone	82		87		70-130	6		30
Bromochloromethane	88		94		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1580225-10 WG1580225-11								
2,2-Dichloropropane	87		94		70-130	8		30
1,2-Dibromoethane	90		95		70-130	5		30
1,3-Dichloropropane	87		93		69-130	7		30
1,1,1,2-Tetrachloroethane	94		102		70-130	8		30
Bromobenzene	93		99		70-130	6		30
n-Butylbenzene	98		105		70-130	7		30
sec-Butylbenzene	98		105		70-130	7		30
tert-Butylbenzene	96		102		70-130	6		30
o-Chlorotoluene	94		100		70-130	6		30
p-Chlorotoluene	94		101		70-130	7		30
1,2-Dibromo-3-chloropropane	89		94		68-130	5		30
Hexachlorobutadiene	102		109		67-130	7		30
Isopropylbenzene	96		103		70-130	7		30
p-Isopropyltoluene	99		106		70-130	7		30
Naphthalene	94		98		70-130	4		30
Acrylonitrile	85		91		70-130	7		30
n-Propylbenzene	98		104		70-130	6		30
1,2,3-Trichlorobenzene	97		100		70-130	3		30
1,2,4-Trichlorobenzene	103		108		70-130	5		30
1,3,5-Trimethylbenzene	97		103		70-130	6		30
1,2,4-Trimethylbenzene	96		102		70-130	6		30
1,4-Dioxane	89		95		65-136	7		30
p-Diethylbenzene	103		109		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1580225-10 WG1580225-11								
p-Ethyltoluene	98		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		113		70-130	8		30
Ethyl ether	94		97		67-130	3		30
trans-1,4-Dichloro-2-butene	87		92		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	96		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1580225-3 WG1580225-4								
Methylene chloride	78		78		70-130	0		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	85		86		70-130	1		30
Carbon tetrachloride	83		85		70-130	2		30
1,2-Dichloropropane	83		84		70-130	1		30
Dibromochloromethane	95		97		70-130	2		30
1,1,2-Trichloroethane	91		91		70-130	0		30
Tetrachloroethene	99		96		70-130	3		30
Chlorobenzene	95		95		70-130	0		30
Trichlorofluoromethane	84		84		70-139	0		30
1,2-Dichloroethane	80		81		70-130	1		30
1,1,1-Trichloroethane	87		88		70-130	1		30
Bromodichloromethane	87		89		70-130	2		30
trans-1,3-Dichloropropene	89		89		70-130	0		30
cis-1,3-Dichloropropene	89		90		70-130	1		30
1,1-Dichloropropene	87		88		70-130	1		30
Bromoform	93		95		70-130	2		30
1,1,2,2-Tetrachloroethane	91		93		70-130	2		30
Benzene	90		90		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	86		84		52-130	2		30
Bromomethane	98		96		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1580225-3 WG1580225-4								
Vinyl chloride	93		92		67-130	1		30
Chloroethane	88		88		50-151	0		30
1,1-Dichloroethene	88		88		65-135	0		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	87		89		70-130	2		30
1,2-Dichlorobenzene	95		96		70-130	1		30
1,3-Dichlorobenzene	96		98		70-130	2		30
1,4-Dichlorobenzene	96		98		70-130	2		30
Methyl tert butyl ether	87		89		66-130	2		30
p/m-Xylene	97		96		70-130	1		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	88		88		70-130	0		30
Dibromomethane	85		86		70-130	1		30
Styrene	102		101		70-130	1		30
Dichlorodifluoromethane	84		81		30-146	4		30
Acetone	94		97		54-140	3		30
Carbon disulfide	76		76		59-130	0		30
2-Butanone	73		76		70-130	4		30
Vinyl acetate	82		83		70-130	1		30
4-Methyl-2-pentanone	83		82		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	81		84		70-130	4		30
Bromochloromethane	90		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1580225-3 WG1580225-4								
2,2-Dichloropropane	84		86		70-130	2		30
1,2-Dibromoethane	91		91		70-130	0		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	95		96		70-130	1		30
Bromobenzene	94		96		70-130	2		30
n-Butylbenzene	93		95		70-130	2		30
sec-Butylbenzene	95		96		70-130	1		30
tert-Butylbenzene	94		96		70-130	2		30
o-Chlorotoluene	92		94		70-130	2		30
p-Chlorotoluene	93		94		70-130	1		30
1,2-Dibromo-3-chloropropane	84		89		68-130	6		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	95		95		70-130	0		30
p-Isopropyltoluene	96		97		70-130	1		30
Naphthalene	94		97		70-130	3		30
Acrylonitrile	86		85		70-130	1		30
n-Propylbenzene	95		96		70-130	1		30
1,2,3-Trichlorobenzene	98		101		70-130	3		30
1,2,4-Trichlorobenzene	102		105		70-130	3		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	94		95		70-130	1		30
1,4-Dioxane	92		93		65-136	1		30
p-Diethylbenzene	99		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1580225-3 WG1580225-4								
p-Ethyltoluene	96		98		70-130	2		30
1,2,4,5-Tetramethylbenzene	104		105		70-130	1		30
Ethyl ether	96		95		67-130	1		30
trans-1,4-Dichloro-2-butene	84		87		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	94		95		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580225-6 WG1580225-7 QC Sample: L2166485-02 Client ID: EP45_2												
Methylene chloride	ND	141	100	74		82	**63**	Q	70-130	24		30
1,1-Dichloroethane	ND	141	130	94		110	88		70-130	15		30
Chloroform	2.9	141	130	90		110	81		70-130	19		30
Carbon tetrachloride	ND	141	150	104		140	104		70-130	8		30
1,2-Dichloropropane	ND	141	120	85		99	77		70-130	19		30
Dibromochloromethane	ND	141	120	88		84	**65**	Q	70-130	**39**	Q	30
1,1,2-Trichloroethane	ND	141	110	77		57	**44**	Q	70-130	**61**	Q	30
Tetrachloroethene	ND	141	130	91		120	92		70-130	7		30
Chlorobenzene	ND	141	96	**68**	Q	79	**61**	Q	70-130	20		30
Trichlorofluoromethane	ND	141	160	112		140	111		70-139	10		30
1,2-Dichloroethane	ND	141	100	71		75	**58**	Q	70-130	28		30
1,1,1-Trichloroethane	ND	141	150	106		130	104		70-130	11		30
Bromodichloromethane	ND	141	120	82		85	**66**	Q	70-130	30		30
trans-1,3-Dichloropropene	ND	141	72	**51**	Q	48	**37**	Q	70-130	**40**	Q	30
cis-1,3-Dichloropropene	ND	141	87	**61**	Q	64	**50**	Q	70-130	30		30
1,1-Dichloropropene	ND	141	130	94		120	93		70-130	10		30
Bromoform	ND	141	150	107		87	**67**	Q	70-130	**54**	Q	30
1,1,2,2-Tetrachloroethane	ND	141	ND	**0**	Q	ND	**0**	Q	70-130	NC		30
Benzene	ND	141	130	92		110	86		70-130	15		30
Toluene	0.99J	141	120	88		110	83		70-130	15		30
Ethylbenzene	0.79J	141	110	77		100	77		70-130	9		30
Chloromethane	ND	141	150	104		130	97		52-130	15		30
Bromomethane	ND	141	140	102		120	94		57-147	17		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580225-6 WG1580225-7 QC Sample: L2166485-02 Client ID: EP45_2												
Vinyl chloride	ND	141	160	113		140	110		67-130	12		30
Chloroethane	ND	141	140	101		130	98		50-151	11		30
1,1-Dichloroethene	ND	141	170	118		160	127		65-135	1		30
trans-1,2-Dichloroethene	ND	141	120	84		99	76		70-130	19		30
Trichloroethene	ND	141	190	**132**	Q	160	122		70-130	16		30
1,2-Dichlorobenzene	ND	141	89	**63**	Q	57	**44**	Q	70-130	**44**	Q	30
1,3-Dichlorobenzene	ND	141	82	**58**	Q	59	**45**	Q	70-130	**34**	Q	30
1,4-Dichlorobenzene	ND	141	73	**52**	Q	51	**39**	Q	70-130	**36**	Q	30
Methyl tert butyl ether	ND	141	140	98		110	82		66-130	26		30
p/m-Xylene	2.7	282	210	74		190	73		70-130	9		30
o-Xylene	1.9	282	230	79		190	73		70-130	16		30
cis-1,2-Dichloroethene	ND	141	110	77		87	**67**	Q	70-130	23		30
Dibromomethane	ND	141	88	**62**	Q	62	**48**	Q	70-130	**34**	Q	30
Styrene	ND	282	180	**63**	Q	150	**56**	Q	70-130	20		30
Dichlorodifluoromethane	ND	141	160	111		140	108		30-146	11		30
Acetone	290	141	440E	106		380	70		54-140	15		30
Carbon disulfide	ND	141	110	78		87	67		59-130	24		30
2-Butanone	6.8J	141	170	118		110	84		70-130	**42**	Q	30
Vinyl acetate	ND	141	ND	**0**	Q	ND	**0**	Q	70-130	NC		30
4-Methyl-2-pentanone	ND	141	140	98		95	74		70-130	**37**	Q	30
1,2,3-Trichloropropane	ND	141	150	106		83	**64**	Q	68-130	**57**	Q	30
2-Hexanone	ND	141	130	94		90	70		70-130	**38**	Q	30
Bromochloromethane	ND	141	110	75		79	**61**	Q	70-130	29		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580225-6 WG1580225-7 QC Sample: L2166485-02 Client ID: EP45_2												
2,2-Dichloropropane	ND	141	150	104		130	102		70-130	11		30
1,2-Dibromoethane	ND	141	92	**65**	Q	63	**48**	Q	70-130	**38**	Q	30
1,3-Dichloropropane	ND	141	110	78		79	**61**	Q	69-130	**33**	Q	30
1,1,1,2-Tetrachloroethane	ND	141	130	95		100	77		70-130	30		30
Bromobenzene	ND	141	99	70		67	**52**	Q	70-130	**38**	Q	30
n-Butylbenzene	1.7	141	85	**59**	Q	79	**60**	Q	70-130	8		30
sec-Butylbenzene	1.0J	141	110	78		100	79		70-130	8		30
tert-Butylbenzene	ND	141	120	86		110	81		70-130	14		30
o-Chlorotoluene	ND	141	110	81		88	**68**	Q	70-130	26		30
p-Chlorotoluene	ND	141	89	**63**	Q	70	**54**	Q	70-130	24		30
1,2-Dibromo-3-chloropropane	ND	141	120	86		49	**38**	Q	68-130	**85**	Q	30
Hexachlorobutadiene	ND	141	63	**45**	Q	54	**42**	Q	67-130	15		30
Isopropylbenzene	0.60J	141	140	97		120	90		70-130	17		30
p-Isopropyltoluene	0.84J	141	100	72		92	71		70-130	10		30
Naphthalene	2.1J	141	74	**53**	Q	40	**31**	Q	70-130	**60**	Q	30
Acrylonitrile	ND	141	110	79		75	**58**	Q	70-130	**40**	Q	30
n-Propylbenzene	1.0J	141	110	81		100	78		70-130	12		30
1,2,3-Trichlorobenzene	ND	141	58	**41**	Q	33	**25**	Q	70-130	**55**	Q	30
1,2,4-Trichlorobenzene	ND	141	58	**41**	Q	35	**27**	Q	70-130	**50**	Q	30
1,3,5-Trimethylbenzene	3.2	141	120	85		100	75		70-130	21		30
1,2,4-Trimethylbenzene	9.0	141	130	83		96	**67**	Q	70-130	27		30
1,4-Dioxane	ND	7050	10000	**143**	Q	8900	**138**	Q	65-136	13		30
p-Diethylbenzene	7.1	141	100	**68**	Q	88	**62**	Q	70-130	16		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580225-6 WG1580225-7 QC Sample: L2166485-02 Client ID: EP45_2												
p-Ethyltoluene	ND	141	120	84		100	77		70-130	17		30
1,2,4,5-Tetramethylbenzene	2.6	141	100	71		71	**53**	Q	70-130	**37**	Q	30
Ethyl ether	ND	141	140	99		110	84		67-130	25		30
trans-1,4-Dichloro-2-butene	ND	141	79	**56**	Q	46	**36**	Q	70-130	**52**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		88		70-130
4-Bromofluorobenzene	111		104		70-130
Dibromofluoromethane	**58**	Q	**55**	Q	70-130
Toluene-d8	106		102		70-130

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Lab Number: L2166485
Project Number: 170229024
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 22:27
Analyst: MP
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.038	J	ng/g	0.552	0.025	1
Perfluoropentanoic Acid (PFPeA)	0.102	J	ng/g	0.552	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.276	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.129	J	ng/g	0.552	0.058	1
Perfluoroheptanoic Acid (PFHpA)	0.094	J	ng/g	0.276	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.276	0.067	1
Perfluorooctanoic Acid (PFOA)	0.281		ng/g	0.276	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.552	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.552	0.151	1
Perfluorononanoic Acid (PFNA)	0.267	J	ng/g	0.276	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	1.77		ng/g	0.276	0.144	1
Perfluorodecanoic Acid (PFDA)	0.505		ng/g	0.276	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.552	0.317	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.552	0.223	1
Perfluoroundecanoic Acid (PFUnA)	0.492	J	ng/g	0.552	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.552	0.169	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.552	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.552	0.093	1
Perfluorododecanoic Acid (PFDoA)	0.396	J	ng/g	0.552	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	0.328	JF	ng/g	0.552	0.226	1
Perfluorotetradecanoic Acid (PFTA)	0.278	J	ng/g	0.552	0.060	1
PFOA/PFOS, Total	2.05		ng/g	0.276	0.046	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 Date Collected: 12/02/21 16:30

Client ID: EPSW04 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 D
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/09/21 12:09
Analyst: CMM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	780	100	5
1,2,4-Trichlorobenzene	ND		ug/kg	980	110	5
Hexachlorobenzene	ND		ug/kg	590	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	880	130	5
2-Chloronaphthalene	ND		ug/kg	980	97.	5
1,2-Dichlorobenzene	ND		ug/kg	980	180	5
1,3-Dichlorobenzene	ND		ug/kg	980	170	5
1,4-Dichlorobenzene	ND		ug/kg	980	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	980	260	5
2,4-Dinitrotoluene	ND		ug/kg	980	200	5
2,6-Dinitrotoluene	ND		ug/kg	980	170	5
Fluoranthene	430	J	ug/kg	590	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	98.	5
Hexachlorobutadiene	ND		ug/kg	980	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	890	5
Hexachloroethane	ND		ug/kg	780	160	5
Isophorone	ND		ug/kg	880	130	5
Naphthalene	ND		ug/kg	980	120	5
Nitrobenzene	ND		ug/kg	880	140	5
NDPA/DPA	ND		ug/kg	780	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	150	5
Bis(2-ethylhexyl)phthalate	440	J	ug/kg	980	340	5
Butyl benzyl phthalate	250	J	ug/kg	980	250	5
Di-n-butylphthalate	ND		ug/kg	980	180	5
Di-n-octylphthalate	ND		ug/kg	980	330	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 D Date Collected: 12/02/21 16:30
Client ID: EPSW04 Date Received: 12/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	980	91.	5
Dimethyl phthalate	ND		ug/kg	980	200	5
Benzo(a)anthracene	250	J	ug/kg	590	110	5
Benzo(a)pyrene	250	J	ug/kg	780	240	5
Benzo(b)fluoranthene	380	J	ug/kg	590	160	5
Benzo(k)fluoranthene	ND		ug/kg	590	160	5
Chrysene	260	J	ug/kg	590	100	5
Acenaphthylene	ND		ug/kg	780	150	5
Anthracene	ND		ug/kg	590	190	5
Benzo(ghi)perylene	210	J	ug/kg	780	120	5
Fluorene	ND		ug/kg	980	95.	5
Phenanthrene	230	J	ug/kg	590	120	5
Dibenzo(a,h)anthracene	ND		ug/kg	590	110	5
Indeno(1,2,3-cd)pyrene	230	J	ug/kg	780	140	5
Pyrene	400	J	ug/kg	590	97.	5
Biphenyl	ND		ug/kg	2200	230	5
4-Chloroaniline	ND		ug/kg	980	180	5
2-Nitroaniline	ND		ug/kg	980	190	5
3-Nitroaniline	ND		ug/kg	980	180	5
4-Nitroaniline	ND		ug/kg	980	400	5
Dibenzofuran	ND		ug/kg	980	93.	5
2-Methylnaphthalene	ND		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	980	100	5
Acetophenone	ND		ug/kg	980	120	5
2,4,6-Trichlorophenol	ND		ug/kg	590	180	5
p-Chloro-m-cresol	ND		ug/kg	980	150	5
2-Chlorophenol	ND		ug/kg	980	120	5
2,4-Dichlorophenol	ND		ug/kg	880	160	5
2,4-Dimethylphenol	ND		ug/kg	980	320	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	400	5
2,4-Dinitrophenol	ND		ug/kg	4700	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	470	5
Pentachlorophenol	ND		ug/kg	780	220	5
Phenol	ND		ug/kg	980	150	5
2-Methylphenol	ND		ug/kg	980	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 D
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	980	190	5
Benzoic Acid	ND		ug/kg	3200	990	5
Benzyl Alcohol	ND		ug/kg	980	300	5
Carbazole	ND		ug/kg	980	95.	5
1,4-Dioxane	ND		ug/kg	150	45.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	60		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/09/21 11:03
Analyst: CMM
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320		ug/kg	190	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	27.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
1,2-Dichlorobenzene	ND		ug/kg	240	43.	1
1,3-Dichlorobenzene	ND		ug/kg	240	41.	1
1,4-Dichlorobenzene	ND		ug/kg	240	41.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	63.	1
2,4-Dinitrotoluene	ND		ug/kg	240	47.	1
2,6-Dinitrotoluene	ND		ug/kg	240	41.	1
Fluoranthene	4300		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	35.	1
Hexachlorocyclopentadiene	ND		ug/kg	680	220	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	31.	1
Naphthalene	390		ug/kg	240	29.	1
Nitrobenzene	ND		ug/kg	210	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	37.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	82.	1
Butyl benzyl phthalate	ND		ug/kg	240	60.	1
Di-n-butylphthalate	ND		ug/kg	240	45.	1
Di-n-octylphthalate	ND		ug/kg	240	81.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	50.	1
Benzo(a)anthracene	2100		ug/kg	140	27.	1
Benzo(a)pyrene	1800		ug/kg	190	58.	1
Benzo(b)fluoranthene	2400		ug/kg	140	40.	1
Benzo(k)fluoranthene	730		ug/kg	140	38.	1
Chrysene	2100		ug/kg	140	25.	1
Acenaphthylene	150	J	ug/kg	190	37.	1
Anthracene	910		ug/kg	140	46.	1
Benzo(ghi)perylene	1200		ug/kg	190	28.	1
Fluorene	330		ug/kg	240	23.	1
Phenanthrene	4000		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	290		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	190	33.	1
Pyrene	3800		ug/kg	140	24.	1
Biphenyl	ND		ug/kg	540	55.	1
4-Chloroaniline	ND		ug/kg	240	43.	1
2-Nitroaniline	ND		ug/kg	240	46.	1
3-Nitroaniline	ND		ug/kg	240	45.	1
4-Nitroaniline	ND		ug/kg	240	98.	1
Dibenzofuran	280		ug/kg	240	22.	1
2-Methylnaphthalene	140	J	ug/kg	280	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
p-Chloro-m-cresol	ND		ug/kg	240	35.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	240	78.	1
2-Nitrophenol	ND		ug/kg	510	89.	1
4-Nitrophenol	ND		ug/kg	330	97.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	620	110	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	54	J	ug/kg	240	36.	1
2-Methylphenol	ND		ug/kg	240	37.	1
3-Methylphenol/4-Methylphenol	77	J	ug/kg	340	37.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	240	45.	1
Benzoic Acid	ND		ug/kg	770	240	1
Benzyl Alcohol	ND		ug/kg	240	73.	1
Carbazole	430		ug/kg	240	23.	1
1,4-Dioxane	ND		ug/kg	36	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**9**	Q	25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	72		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 22:44
Analyst: MP
Percent Solids: 69%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.050	J	ng/g	0.655	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.655	0.060	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.328	0.051	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.655	0.069	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.328	0.059	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.328	0.079	1
Perfluorooctanoic Acid (PFOA)	0.482		ng/g	0.328	0.055	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.655	0.235	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.655	0.179	1
Perfluorononanoic Acid (PFNA)	0.158	J	ng/g	0.328	0.098	1
Perfluorooctanesulfonic Acid (PFOS)	2.33		ng/g	0.328	0.170	1
Perfluorodecanoic Acid (PFDA)	0.135	J	ng/g	0.328	0.088	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.655	0.376	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.655	0.264	1
Perfluoroundecanoic Acid (PFUnA)	0.069	J	ng/g	0.655	0.061	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.655	0.200	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.655	0.128	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.655	0.111	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.655	0.092	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.655	0.268	1
Perfluorotetradecanoic Acid (PFTA)	0.083	J	ng/g	0.655	0.071	1
PFOA/PFOS, Total	2.81		ng/g	0.328	0.055	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**72**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**78**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**74**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	56		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/09/21 10:19
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	490		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	5100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	270		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	3000		ug/kg	110	21.	1
Benzo(a)pyrene	2500		ug/kg	150	45.	1
Benzo(b)fluoranthene	3300		ug/kg	110	31.	1
Benzo(k)fluoranthene	1000		ug/kg	110	29.	1
Chrysene	3100		ug/kg	110	19.	1
Acenaphthylene	140	J	ug/kg	150	28.	1
Anthracene	1100		ug/kg	110	36.	1
Benzo(ghi)perylene	1700		ug/kg	150	22.	1
Fluorene	470		ug/kg	180	18.	1
Phenanthrene	5100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	150	26.	1
Pyrene	5400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	270		ug/kg	180	17.	1
2-Methylnaphthalene	150	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	33	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	430		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	68		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 23:50
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.528	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.528	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.264	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.528	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.264	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	1.44		ng/g	0.264	0.064	1
Perfluorooctanoic Acid (PFOA)	0.483		ng/g	0.264	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.528	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.528	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.264	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.202	J	ng/g	0.264	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.264	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.528	0.303	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.528	0.213	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.528	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.528	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.528	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.528	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.528	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.528	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.528	0.057	1
PFOA/PFOS, Total	0.685	J	ng/g	0.264	0.044	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	76		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/09/21 10:41
Analyst: CMM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	31	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	590		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	28	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	380		ug/kg	200	70.	1
Butyl benzyl phthalate	150	J	ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	300		ug/kg	120	23.	1
Benzo(a)pyrene	310		ug/kg	160	49.	1
Benzo(b)fluoranthene	450		ug/kg	120	34.	1
Benzo(k)fluoranthene	130		ug/kg	120	32.	1
Chrysene	340		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	67	J	ug/kg	120	40.	1
Benzo(ghi)perylene	250		ug/kg	160	24.	1
Fluorene	26	J	ug/kg	200	20.	1
Phenanthrene	370		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	160	28.	1
Pyrene	530		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	20	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	36	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**146**	Q	25-120
Phenol-d6	**151**	Q	10-120
Nitrobenzene-d5	**139**	Q	23-120
2-Fluorobiphenyl	**130**	Q	30-120
2,4,6-Tribromophenol	133		10-136
4-Terphenyl-d14	110		18-120

Project Name: 45 COMMERCIAL STREET
Lab Number: L2166485
Project Number: 170229024
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/16/21 00:07
Analyst: MP
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.033	J	ng/g	0.537	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.537	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.269	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.537	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.269	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.269	0.065	1
Perfluorooctanoic Acid (PFOA)	0.239	J	ng/g	0.269	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.537	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.537	0.147	1
Perfluorononanoic Acid (PFNA)	0.177	J	ng/g	0.269	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	1.13		ng/g	0.269	0.140	1
Perfluorodecanoic Acid (PFDA)	0.407		ng/g	0.269	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.537	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.537	0.217	1
Perfluoroundecanoic Acid (PFUnA)	0.503	J	ng/g	0.537	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.537	0.164	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.537	0.105	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.537	0.091	1
Perfluorododecanoic Acid (PFDoA)	0.402	J	ng/g	0.537	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	0.338	J	ng/g	0.537	0.220	1
Perfluorotetradecanoic Acid (PFTA)	0.257	J	ng/g	0.537	0.058	1
PFOA/PFOS, Total	1.37	J	ng/g	0.269	0.045	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 RE
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/10/21 03:30
Analyst: JG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/09/21 12:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	43	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1000		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	39	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	950		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 RE
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	460		ug/kg	120	22.	1
Benzo(a)pyrene	470		ug/kg	160	49.	1
Benzo(b)fluoranthene	660		ug/kg	120	34.	1
Benzo(k)fluoranthene	190		ug/kg	120	32.	1
Chrysene	470		ug/kg	120	21.	1
Acenaphthylene	74	J	ug/kg	160	31.	1
Anthracene	140		ug/kg	120	39.	1
Benzo(ghi)perylene	350		ug/kg	160	24.	1
Fluorene	44	J	ug/kg	200	19.	1
Phenanthrene	570		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	72	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	360		ug/kg	160	28.	1
Pyrene	890		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	31	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 RE
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	67	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	72		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-05
Client ID: PFB22_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:11
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/11/21 14:46
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.378	1
Perfluoropentanoic Acid (PFPeA)	0.400	J	ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.637	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.907	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.537	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.230	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-05 Date Collected: 12/02/21 17:11

Client ID: PFB22_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/06/21 11:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 14:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06 Date Collected: 12/02/21 17:15

Client ID: EPFB03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	55		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/06/21 11:38
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 14:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06 Date Collected: 12/02/21 17:15

Client ID: EPFB03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	52		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 11:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579013-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 11:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579013-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 11:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1579013-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	75		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/04/21 16:04
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1579014-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/04/21 16:04
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1579014-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	74		41-149

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 19:58
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1579535-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 19:58
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1579535-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/21 00:41
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1579620-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/21 00:41
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1579620-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/21 00:41
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/06/21 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1579620-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	82		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/08/21 20:11
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1580520-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/08/21 20:11
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1580520-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	114		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/10/21 02:17
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/09/21 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1581221-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/10/21 02:17
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/09/21 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1581221-1					
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/10/21 02:17
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 12/09/21 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1581221-1					
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579013-2 WG1579013-3								
Acenaphthene	80		82		37-111	2		30
1,2,4-Trichlorobenzene	70		72		39-98	3		30
Hexachlorobenzene	90		91		40-140	1		30
Bis(2-chloroethyl)ether	75		75		40-140	0		30
2-Chloronaphthalene	80		87		40-140	8		30
1,2-Dichlorobenzene	68		72		40-140	6		30
1,3-Dichlorobenzene	68		66		40-140	3		30
1,4-Dichlorobenzene	68		67		36-97	1		30
3,3'-Dichlorobenzidine	42		66		40-140	**44**	Q	30
2,4-Dinitrotoluene	84		79		48-143	6		30
2,6-Dinitrotoluene	88		88		40-140	0		30
Fluoranthene	85		80		40-140	6		30
4-Chlorophenyl phenyl ether	87		79		40-140	10		30
4-Bromophenyl phenyl ether	83		85		40-140	2		30
Bis(2-chloroisopropyl)ether	63		67		40-140	6		30
Bis(2-chloroethoxy)methane	75		79		40-140	5		30
Hexachlorobutadiene	76		76		40-140	0		30
Hexachlorocyclopentadiene	69		69		40-140	0		30
Hexachloroethane	67		65		40-140	3		30
Isophorone	74		76		40-140	3		30
Naphthalene	77		82		40-140	6		30
Nitrobenzene	76		76		40-140	0		30
NDPA/DPA	84		83		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579013-2 WG1579013-3								
n-Nitrosodi-n-propylamine	72		79		29-132	9		30
Bis(2-ethylhexyl)phthalate	89		89		40-140	0		30
Butyl benzyl phthalate	89		84		40-140	6		30
Di-n-butylphthalate	89		84		40-140	6		30
Di-n-octylphthalate	87		88		40-140	1		30
Diethyl phthalate	86		84		40-140	2		30
Dimethyl phthalate	87		86		40-140	1		30
Benzo(a)anthracene	83		82		40-140	1		30
Benzo(a)pyrene	78		81		40-140	4		30
Benzo(b)fluoranthene	85		83		40-140	2		30
Benzo(k)fluoranthene	90		88		40-140	2		30
Chrysene	82		84		40-140	2		30
Acenaphthylene	81		85		45-123	5		30
Anthracene	85		79		40-140	7		30
Benzo(ghi)perylene	89		84		40-140	6		30
Fluorene	85		84		40-140	1		30
Phenanthrene	84		78		40-140	7		30
Dibenzo(a,h)anthracene	88		81		40-140	8		30
Indeno(1,2,3-cd)pyrene	90		85		40-140	6		30
Pyrene	85		81		26-127	5		30
Biphenyl	88		92		40-140	4		30
4-Chloroaniline	52		58		40-140	11		30
2-Nitroaniline	89		90		52-143	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579013-2 WG1579013-3								
3-Nitroaniline	62		66		25-145	6		30
4-Nitroaniline	75		75		51-143	0		30
Dibenzofuran	84		83		40-140	1		30
2-Methylnaphthalene	82		86		40-140	5		30
1,2,4,5-Tetrachlorobenzene	85		93		2-134	9		30
Acetophenone	81		82		39-129	1		30
2,4,6-Trichlorophenol	93		95		30-130	2		30
p-Chloro-m-cresol	92		97		23-97	5		30
2-Chlorophenol	83		84		27-123	1		30
2,4-Dichlorophenol	91		91		30-130	0		30
2,4-Dimethylphenol	59		57		30-130	3		30
2-Nitrophenol	83		85		30-130	2		30
4-Nitrophenol	73		74		10-80	1		30
2,4-Dinitrophenol	80		71		20-130	12		30
4,6-Dinitro-o-cresol	82		76		20-164	8		30
Pentachlorophenol	94		86		9-103	9		30
Phenol	68		73		12-110	7		30
2-Methylphenol	79		84		30-130	6		30
3-Methylphenol/4-Methylphenol	83		90		30-130	8		30
2,4,5-Trichlorophenol	99		95		30-130	4		30
Benzoic Acid	76		70		10-164	8		30
Benzyl Alcohol	68		70		26-116	3		30
Carbazole	88		85		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1579013-2 WG1579013-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		21-120
Phenol-d6	70		73		10-120
Nitrobenzene-d5	79		81		23-120
2-Fluorobiphenyl	80		86		15-120
2,4,6-Tribromophenol	100		98		10-120
4-Terphenyl-d14	93		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1579014-2 WG1579014-3								
Acenaphthene	76		70		40-140	8		40
2-Chloronaphthalene	81		71		40-140	13		40
Fluoranthene	82		85		40-140	4		40
Hexachlorobutadiene	62		51		40-140	19		40
Naphthalene	74		63		40-140	16		40
Benzo(a)anthracene	79		84		40-140	6		40
Benzo(a)pyrene	81		86		40-140	6		40
Benzo(b)fluoranthene	78		83		40-140	6		40
Benzo(k)fluoranthene	86		90		40-140	5		40
Chrysene	77		80		40-140	4		40
Acenaphthylene	84		78		40-140	7		40
Anthracene	80		79		40-140	1		40
Benzo(ghi)perylene	77		82		40-140	6		40
Fluorene	83		77		40-140	8		40
Phenanthrene	78		77		40-140	1		40
Dibenzo(a,h)anthracene	82		88		40-140	7		40
Indeno(1,2,3-cd)pyrene	76		82		40-140	8		40
Pyrene	82		85		40-140	4		40
2-Methylnaphthalene	79		68		40-140	15		40
Pentachlorophenol	110		112		40-140	2		40
Hexachlorobenzene	74		71		40-140	4		40
Hexachloroethane	58		45		40-140	25		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1579014-2 WG1579014-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		60		21-120
Phenol-d6	66		57		10-120
Nitrobenzene-d5	82		68		23-120
2-Fluorobiphenyl	77		68		15-120
2,4,6-Tribromophenol	85		83		10-120
4-Terphenyl-d14	84		87		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

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Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579535-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	96		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	105		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	96		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579535-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1579620-2 WG1579620-3								
Acenaphthene	88		88		31-137	0		50
1,2,4-Trichlorobenzene	71		75		38-107	5		50
Hexachlorobenzene	79		78		40-140	1		50
Bis(2-chloroethyl)ether	80		80		40-140	0		50
2-Chloronaphthalene	80		80		40-140	0		50
1,2-Dichlorobenzene	77		81		40-140	5		50
1,3-Dichlorobenzene	77		79		40-140	3		50
1,4-Dichlorobenzene	76		80		28-104	5		50
3,3'-Dichlorobenzidine	64		59		40-140	8		50
2,4-Dinitrotoluene	87		85		40-132	2		50
2,6-Dinitrotoluene	78		79		40-140	1		50
Fluoranthene	87		86		40-140	1		50
4-Chlorophenyl phenyl ether	80		78		40-140	3		50
4-Bromophenyl phenyl ether	79		80		40-140	1		50
Bis(2-chloroisopropyl)ether	58		60		40-140	3		50
Bis(2-chloroethoxy)methane	74		78		40-117	5		50
Hexachlorobutadiene	77		77		40-140	0		50
Hexachlorocyclopentadiene	58		59		40-140	2		50
Hexachloroethane	76		78		40-140	3		50
Isophorone	76		80		40-140	5		50
Naphthalene	84		85		40-140	1		50
Nitrobenzene	79		82		40-140	4		50
NDPA/DPA	85		84		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1579620-2 WG1579620-3								
n-Nitrosodi-n-propylamine	73		75		32-121	3		50
Bis(2-ethylhexyl)phthalate	106		101		40-140	5		50
Butyl benzyl phthalate	102		101		40-140	1		50
Di-n-butylphthalate	102		99		40-140	3		50
Di-n-octylphthalate	110		108		40-140	2		50
Diethyl phthalate	94		93		40-140	1		50
Dimethyl phthalate	84		83		40-140	1		50
Benzo(a)anthracene	83		81		40-140	2		50
Benzo(a)pyrene	77		76		40-140	1		50
Benzo(b)fluoranthene	90		82		40-140	9		50
Benzo(k)fluoranthene	80		85		40-140	6		50
Chrysene	84		81		40-140	4		50
Acenaphthylene	81		80		40-140	1		50
Anthracene	87		85		40-140	2		50
Benzo(ghi)perylene	87		86		40-140	1		50
Fluorene	86		85		40-140	1		50
Phenanthrene	90		88		40-140	2		50
Dibenzo(a,h)anthracene	90		88		40-140	2		50
Indeno(1,2,3-cd)pyrene	89		88		40-140	1		50
Pyrene	88		85		35-142	3		50
Biphenyl	85		82		37-127	4		50
4-Chloroaniline	78		80		40-140	3		50
2-Nitroaniline	86		85		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1579620-2 WG1579620-3								
3-Nitroaniline	84		83		26-129	1		50
4-Nitroaniline	85		84		41-125	1		50
Dibenzofuran	89		88		40-140	1		50
2-Methylnaphthalene	82		82		40-140	0		50
1,2,4,5-Tetrachlorobenzene	79		79		40-117	0		50
Acetophenone	82		85		14-144	4		50
2,4,6-Trichlorophenol	78		77		30-130	1		50
p-Chloro-m-cresol	91		90		26-103	1		50
2-Chlorophenol	83		86		25-102	4		50
2,4-Dichlorophenol	82		85		30-130	4		50
2,4-Dimethylphenol	83		87		30-130	5		50
2-Nitrophenol	76		78		30-130	3		50
4-Nitrophenol	106		103		11-114	3		50
2,4-Dinitrophenol	58		64		4-130	10		50
4,6-Dinitro-o-cresol	81		80		10-130	1		50
Pentachlorophenol	69		71		17-109	3		50
Phenol	87		90		26-90	3		50
2-Methylphenol	85		91		30-130.	7		50
3-Methylphenol/4-Methylphenol	91		94		30-130	3		50
2,4,5-Trichlorophenol	82		81		30-130	1		50
Benzoic Acid	**8**	Q	12		10-110	45		50
Benzyl Alcohol	86		89		40-140	3		50
Carbazole	92		90		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1579620-2 WG1579620-3								
1,4-Dioxane	62		62		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		89		25-120
Phenol-d6	87		91		10-120
Nitrobenzene-d5	73		77		23-120
2-Fluorobiphenyl	78		78		30-120
2,4,6-Tribromophenol	75		73		10-136
4-Terphenyl-d14	82		80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1580520-2								
Perfluorobutanoic Acid (PFBA)	97		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	101		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	117		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	95		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	94		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1580520-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	144				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	138				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1581221-2 WG1581221-3								
Acenaphthene	72		91		31-137	23		50
1,2,4-Trichlorobenzene	67		81		38-107	19		50
Hexachlorobenzene	76		94		40-140	21		50
Bis(2-chloroethyl)ether	67		82		40-140	20		50
2-Chloronaphthalene	72		88		40-140	20		50
1,2-Dichlorobenzene	67		80		40-140	18		50
1,3-Dichlorobenzene	66		78		40-140	17		50
1,4-Dichlorobenzene	66		79		28-104	18		50
2,4-Dinitrotoluene	76		94		40-132	21		50
2,6-Dinitrotoluene	78		92		40-140	16		50
Fluoranthene	73		90		40-140	21		50
4-Chlorophenyl phenyl ether	72		90		40-140	22		50
4-Bromophenyl phenyl ether	78		96		40-140	21		50
Bis(2-chloroisopropyl)ether	76		90		40-140	17		50
Bis(2-chloroethoxy)methane	71		88		40-117	21		50
Hexachlorobutadiene	75		96		40-140	25		50
Hexachlorocyclopentadiene	78		97		40-140	22		50
Hexachloroethane	68		84		40-140	21		50
Isophorone	78		93		40-140	18		50
Naphthalene	69		86		40-140	22		50
Nitrobenzene	75		89		40-140	17		50
NDPA/DPA	58		93		36-157	46		50
n-Nitrosodi-n-propylamine	80		96		32-121	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1581221-2 WG1581221-3								
Bis(2-ethylhexyl)phthalate	76		92		40-140	19		50
Butyl benzyl phthalate	74		94		40-140	24		50
Di-n-butylphthalate	74		91		40-140	21		50
Di-n-octylphthalate	76		91		40-140	18		50
Diethyl phthalate	74		91		40-140	21		50
Dimethyl phthalate	75		90		40-140	18		50
Benzo(a)anthracene	70		84		40-140	18		50
Benzo(a)pyrene	60		82		40-140	31		50
Benzo(b)fluoranthene	73		89		40-140	20		50
Benzo(k)fluoranthene	73		89		40-140	20		50
Chrysene	69		84		40-140	20		50
Acenaphthylene	70		86		40-140	21		50
Anthracene	70		86		40-140	21		50
Benzo(ghi)perylene	89		88		40-140	1		50
Fluorene	74		93		40-140	23		50
Phenanthrene	69		84		40-140	20		50
Dibenzo(a,h)anthracene	100		90		40-140	11		50
Indeno(1,2,3-cd)pyrene	91		91		40-140	0		50
Pyrene	72		89		35-142	21		50
Biphenyl	78		98		37-127	23		50
4-Chloroaniline	82		87		40-140	6		50
2-Nitroaniline	73		93		47-134	24		50
3-Nitroaniline	**9**	Q	68		26-129	**154**	Q	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1581221-2 WG1581221-3								
4-Nitroaniline	42		85		41-125	**68**	Q	50
Dibenzofuran	71		89		40-140	23		50
2-Methylnaphthalene	76		93		40-140	20		50
1,2,4,5-Tetrachlorobenzene	79		98		40-117	21		50
Acetophenone	77		92		14-144	18		50
2,4,6-Trichlorophenol	76		94		30-130	21		50
p-Chloro-m-cresol	85		103		26-103	19		50
2-Chlorophenol	72		86		25-102	18		50
2,4-Dichlorophenol	76		89		30-130	16		50
2,4-Dimethylphenol	80		95		30-130	17		50
2-Nitrophenol	73		86		30-130	16		50
4-Nitrophenol	85		104		11-114	20		50
2,4-Dinitrophenol	42		52		4-130	21		50
4,6-Dinitro-o-cresol	74		92		10-130	22		50
Pentachlorophenol	74		89		17-109	18		50
Phenol	70		80		26-90	13		50
2-Methylphenol	76		88		30-130.	15		50
3-Methylphenol/4-Methylphenol	76		87		30-130	13		50
2,4,5-Trichlorophenol	77		94		30-130	20		50
Benzoic Acid	**1**	Q	**9**	Q	10-110	**165**	Q	50
Benzyl Alcohol	76		99		40-140	26		50
Carbazole	**46**	Q	86		54-128	**61**	Q	50
1,4-Dioxane	55		64		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1581221-2 WG1581221-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		83		25-120
Phenol-d6	83		96		10-120
Nitrobenzene-d5	78		93		23-120
2-Fluorobiphenyl	73		91		30-120
2,4,6-Tribromophenol	79		96		10-136
4-Terphenyl-d14	74		91		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579535-3 WG1579535-4 QC Sample: L2166485-02 Client ID: EP45_2												
Perfluorobutanoic Acid (PFBA)	0.050J	6.94	6.50	93		6.21	91		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	ND	6.94	6.49	94		6.38	95		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	6.16	5.84	95		5.53	92		72-128	5		30
Perfluorohexanoic Acid (PFHxA)	ND	6.94	6.61	95		6.53	97		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	6.94	6.57	95		6.41	95		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	6.34	6.68	105		6.52	106		67-130	2		30
Perfluorooctanoic Acid (PFOA)	0.482	6.94	7.06	95		6.88	95		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.61	6.15	93		6.00	93		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	6.61	6.50	98		6.53	102		70-132	0		30
Perfluorononanoic Acid (PFNA)	0.158J	6.94	6.77	95		6.53	94		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	2.33	6.44	9.25	107		8.93	105		68-136	4		30
Perfluorodecanoic Acid (PFDA)	0.135J	6.94	6.76	95		6.48	94		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.66	6.67	100		6.74	104		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.94	6.13	88		6.28	93		63-144	2		30
Perfluoroundecanoic Acid (PFUnA)	0.069J	6.94	6.78	97		6.66	98		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	6.69	6.83	102		6.42	99		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	ND	6.94	6.71	97		6.37	94		67-137	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.94	6.50	94		7.13	106		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	ND	6.94	6.88	99		6.64	98		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	6.94	7.25	104		6.74	100		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	0.083J	6.94	6.88	98		6.64	97		69-133	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579535-3 WG1579535-4 QC Sample: L2166485-02 Client ID: EP45_2

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		86		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		67		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		49		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		40		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		77		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**72**	Q	**73**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**64**	Q	**64**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**68**	Q	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		79		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		75		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	70		70		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		72		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	58		57		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**76**	Q	**77**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**71**	Q	**70**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		72		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		76		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579620-4 WG1579620-5 QC Sample: L2166485-02 Client ID: EP45_2												
Acenaphthene	320	1910	1600	67		1700	71		31-137	6		50
1,2,4-Trichlorobenzene	ND	1910	1100	58		1000	52		38-107	10		50
Hexachlorobenzene	ND	1910	1200	63		980	51		40-140	20		50
Bis(2-chloroethyl)ether	ND	1910	1200	63		1100	57		40-140	9		50
2-Chloronaphthalene	ND	1910	1300	68		1100	57		40-140	17		50
1,2-Dichlorobenzene	ND	1910	1200	63		1100	57		40-140	9		50
1,3-Dichlorobenzene	ND	1910	1200	63		1100	57		40-140	9		50
1,4-Dichlorobenzene	ND	1910	1200	63		1100	57		28-104	9		50
3,3'-Dichlorobenzidine	ND	1910	890	47		740	**38**	Q	40-140	18		50
2,4-Dinitrotoluene	ND	1910	1300	68		1100	57		40-132	17		50
2,6-Dinitrotoluene	ND	1910	1200	63		1000	52		40-140	18		50
Fluoranthene	4300	1910	3900	**0**	Q	5200	46		40-140	29		50
4-Chlorophenyl phenyl ether	ND	1910	1200	63		1000	52		40-140	18		50
4-Bromophenyl phenyl ether	ND	1910	1200	63		1000	52		40-140	18		50
Bis(2-chloroisopropyl)ether	ND	1910	960	50		880	45		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1910	1200	63		1200	62		40-117	0		50
Hexachlorobutadiene	ND	1910	1200	63		1000	52		40-140	18		50
Hexachlorocyclopentadiene	ND	1910	320J	**17**	Q	ND	**0**	Q	40-140	NC		50
Hexachloroethane	ND	1910	1100	58		1000	52		40-140	10		50
Isophorone	ND	1910	1200	63		1100	57		40-140	9		50
Naphthalene	390	1910	1600	63		1800	73		40-140	12		50
Nitrobenzene	ND	1910	1300	68		1200	62		40-140	8		50
NDPA/DPA	ND	1910	1300	68		1100	57		36-157	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579620-4 WG1579620-5 QC Sample: L2166485-02 Client ID: EP45_2												
n-Nitrosodi-n-propylamine	ND	1910	1100	58		1000	52		32-121	10		50
Bis(2-ethylhexyl)phthalate	ND	1910	1800	94		1500	77		40-140	18		50
Butyl benzyl phthalate	ND	1910	1500	79		1200	62		40-140	22		50
Di-n-butylphthalate	ND	1910	1500	79		1200	62		40-140	22		50
Di-n-octylphthalate	ND	1910	1700	89		1400	72		40-140	19		50
Diethyl phthalate	ND	1910	1400	73		1200	62		40-140	15		50
Dimethyl phthalate	ND	1910	1200	63		940	49		40-140	24		50
Benzo(a)anthracene	2100	1910	2500	**21**	Q	3100	52		40-140	21		50
Benzo(a)pyrene	1800	1910	2200	**21**	Q	2600	41		40-140	17		50
Benzo(b)fluoranthene	2400	1910	2600	**10**	Q	3300	46		40-140	24		50
Benzo(k)fluoranthene	730	1910	1700	51		1700	50		40-140	0		50
Chrysene	2100	1910	2400	**16**	Q	3100	52		40-140	25		50
Acenaphthylene	150J	1910	1300	68		1200	62		40-140	8		50
Anthracene	910	1910	1800	47		1900	51		40-140	5		50
Benzo(ghi)perylene	1200	1910	2000	42		2200	52		40-140	10		50
Fluorene	330	1910	1600	67		1500	60		40-140	6		50
Phenanthrene	4000	1910	4000	**0**	Q	5500	77		40-140	32		50
Dibenzo(a,h)anthracene	290	1910	1500	63		1300	52		40-140	14		50
Indeno(1,2,3-cd)pyrene	1300	1910	2100	42		2300	52		40-140	9		50
Pyrene	3800	1910	3600	**0**	Q	4800	52		35-142	29		50
Biphenyl	ND	1910	1300	68		1200	62		37-127	8		50
4-Chloroaniline	ND	1910	1000	52		890	46		40-140	12		50
2-Nitroaniline	ND	1910	1400	73		1300	67		47-134	7		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579620-4 WG1579620-5 QC Sample: L2166485-02 Client ID: EP45_2												
3-Nitroaniline	ND	1910	1400	73		1200	62		26-129	15		50
4-Nitroaniline	ND	1910	1400	73		1300	67		41-125	7		50
Dibenzofuran	280	1910	1600	69		1500	63		40-140	6		50
2-Methylnaphthalene	140J	1910	1400	73		1300	67		40-140	7		50
1,2,4,5-Tetrachlorobenzene	ND	1910	1200	63		1100	57		40-117	9		50
Acetophenone	ND	1910	1300	68		1300	67		14-144	0		50
2,4,6-Trichlorophenol	ND	1910	ND	**0**	Q	ND	**0**	Q	30-130	NC		50
p-Chloro-m-cresol	ND	1910	1200	63		840	43		26-103	35		50
2-Chlorophenol	ND	1910	380	**20**	Q	110J	**6**	Q	25-102	**110**	Q	50
2,4-Dichlorophenol	ND	1910	310	**16**	Q	72J	**4**	Q	30-130	**125**	Q	50
2,4-Dimethylphenol	ND	1910	1400	73		1100	57		30-130	24		50
2-Nitrophenol	ND	1910	100J	**5**	Q	ND	**0**	Q	30-130	NC		50
4-Nitrophenol	ND	1910	ND	**0**	Q	ND	**0**	Q	11-114	NC		50
2,4-Dinitrophenol	ND	1910	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1910	ND	**0**	Q	ND	**0**	Q	10-130	NC		50
Pentachlorophenol	ND	1910	ND	**0**	Q	ND	**0**	Q	17-109	NC		50
Phenol	54J	1910	790	41		370	**19**	Q	26-90	**72**	Q	50
2-Methylphenol	ND	1910	1200	63		920	48		30-130.	26		50
3-Methylphenol/4-Methylphenol	77J	1910	1300	68		900	46		30-130	36		50
2,4,5-Trichlorophenol	ND	1910	120J	**6**	Q	ND	**0**	Q	30-130	NC		50
Benzoic Acid	ND	1910	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1910	1400	73		1200	62		40-140	15		50
Carbazole	430	1910	1700	67		1700	66		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579620-4 WG1579620-5 QC Sample: L2166485-02 Client ID: EP45_2												
1,4-Dioxane	ND	1910	830	43		800	41		40-140	4		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**3**	Q	**0**	Q	10-136
2-Fluorobiphenyl	63		54		30-120
2-Fluorophenol	**10**	Q	**3**	Q	25-120
4-Terphenyl-d14	62		51		18-120
Nitrobenzene-d5	64		60		23-120
Phenol-d6	45		20		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	207	37.5	225	**48**	Q	-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	599	37.5	588	**0**	Q	-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	2.68	33.3	33.7	93		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.1	34.2	97		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	826	37.5	779	**0**	Q	-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	1.77J	35.2	30.3	81		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	2100E	37.5	1980E	**0**	Q	-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	44.0	34.3	72.3	83		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	6020E	37.5	5760E	**0**	Q	-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	91.4	35.7	117	72		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	36.0	35.7	66.6	86		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	147	37.5	184	99		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	520FE	34.8	506F	**0**	Q	-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	3.77	37.5	36.8	88		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	4.86	36	40.5	99		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.1	37.9	105		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.5	37.3	100		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.5	36.9	98		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	40.0	111		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	3.60F	37.5	38.4F	93		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	8.92	37.5	42.4	89		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.5	36.0	96		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.5	39.2	105		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.5	34.9	93		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	366	252	69		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	35.4	59.4	**168**	Q	-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	37.5	32.9	88		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	37.5	27.2	72		-	-		10-119	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	124				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	**173**	Q			10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	121				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	95				10-206

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C4]Butanoic Acid (MPFBA)	80				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**148**	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	0.423JF	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		109		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	116		135		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		107		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		135		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		109		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		113		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		150		10-162

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		52		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		97		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		81		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	120		85		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	93		92		10-206

PCBS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/08/21 17:25
Analyst: JAW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.01	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	18.0	J	ug/kg	37.8	6.98	1	B
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	18.0	J	ug/kg	37.8	3.36	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/08/21 17:38
Analyst: JAW
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.0	4.08	1	A
Aroclor 1221	ND		ug/kg	46.0	4.60	1	A
Aroclor 1232	ND		ug/kg	46.0	9.74	1	A
Aroclor 1242	ND		ug/kg	46.0	6.19	1	A
Aroclor 1248	ND		ug/kg	46.0	6.89	1	A
Aroclor 1254	ND		ug/kg	46.0	5.03	1	A
Aroclor 1260	20.4	J	ug/kg	46.0	8.49	1	B
Aroclor 1262	ND		ug/kg	46.0	5.84	1	A
Aroclor 1268	ND		ug/kg	46.0	4.76	1	A
PCBs, Total	20.4	J	ug/kg	46.0	4.08	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/08/21 18:17
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.19	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.62	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.65	1	A
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/08/21 18:29
Analyst: JAW
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.44	1	A
Aroclor 1221	ND		ug/kg	38.8	3.89	1	A
Aroclor 1232	ND		ug/kg	38.8	8.23	1	A
Aroclor 1242	ND		ug/kg	38.8	5.23	1	A
Aroclor 1248	ND		ug/kg	38.8	5.82	1	A
Aroclor 1254	ND		ug/kg	38.8	4.24	1	A
Aroclor 1260	17.1	J	ug/kg	38.8	7.17	1	B
Aroclor 1262	ND		ug/kg	38.8	4.93	1	A
Aroclor 1268	ND		ug/kg	38.8	4.02	1	A
PCBs, Total	17.1	J	ug/kg	38.8	3.44	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/05/21 16:24
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 12/04/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/05/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	B
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/04/21 12:05
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 16:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/03/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/03/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06 Batch: WG1578924-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/08/21 16:47
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1579666-1						
Aroclor 1016	ND		ug/kg	33.1	2.94	A
Aroclor 1221	ND		ug/kg	33.1	3.32	A
Aroclor 1232	ND		ug/kg	33.1	7.02	A
Aroclor 1242	ND		ug/kg	33.1	4.47	A
Aroclor 1248	ND		ug/kg	33.1	4.97	A
Aroclor 1254	ND		ug/kg	33.1	3.62	A
Aroclor 1260	ND		ug/kg	33.1	6.12	A
Aroclor 1262	ND		ug/kg	33.1	4.21	A
Aroclor 1268	ND		ug/kg	33.1	3.43	A
PCBs, Total	ND		ug/kg	33.1	2.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06 Batch: WG1578924-2 WG1578924-3									
Aroclor 1016	69		70		40-140	1		50	A
Aroclor 1260	69		71		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	A
Decachlorobiphenyl	65		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	B
Decachlorobiphenyl	78		77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1579666-2 WG1579666-3									
Aroclor 1016	62		60		40-140	3		50	A
Aroclor 1260	65		62		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		66		30-150	A
Decachlorobiphenyl	68		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	B
Decachlorobiphenyl	77		76		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579666-4 WG1579666-5 QC Sample: L2166485-02 Client ID: EP45_2													
Aroclor 1016	ND	303	126	42		152	52		40-140	19		50	A
Aroclor 1260	20.4J	303	157	52		197	68		40-140	23		50	B

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		57		30-150	A
Decachlorobiphenyl	42		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		66		30-150	B
Decachlorobiphenyl	46		62		30-150	B

PESTICIDES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/21 15:58
Analyst: AR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.338	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	1.45	J	ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	4.66		ug/kg	1.13	0.566	1	A
4,4'-DDE	12.4		ug/kg	1.81	0.419	1	A
4,4'-DDD	2.59		ug/kg	1.81	0.646	1	A
4,4'-DDT	14.3		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	9.54	IP	ug/kg	2.26	0.631	1	B
trans-Chlordane	7.66	IP	ug/kg	2.26	0.598	1	B
Chlordane	98.6		ug/kg	15.1	6.00	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01 Date Collected: 12/02/21 16:30

Client ID: EPSW04 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 12/06/21 19:13
Analyst: EJL
Percent Solids: 83%
Methylation Date: 12/05/21 01:22

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.16	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	75		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/21 16:09
Analyst: AR
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.23	0.436	1	A
Lindane	ND		ug/kg	0.928	0.415	1	A
Alpha-BHC	ND		ug/kg	0.928	0.264	1	A
Beta-BHC	ND		ug/kg	2.23	0.844	1	A
Heptachlor	ND		ug/kg	1.11	0.499	1	A
Aldrin	ND		ug/kg	2.23	0.784	1	A
Heptachlor epoxide	ND		ug/kg	4.18	1.25	1	A
Endrin	ND		ug/kg	0.928	0.380	1	A
Endrin aldehyde	ND		ug/kg	2.78	0.974	1	A
Endrin ketone	ND		ug/kg	2.23	0.573	1	A
Dieldrin	ND		ug/kg	1.39	0.696	1	A
4,4'-DDE	2.88		ug/kg	2.23	0.515	1	A
4,4'-DDD	ND		ug/kg	2.23	0.794	1	A
4,4'-DDT	ND		ug/kg	4.18	1.79	1	A
Endosulfan I	ND		ug/kg	2.23	0.526	1	A
Endosulfan II	ND		ug/kg	2.23	0.744	1	A
Endosulfan sulfate	ND		ug/kg	0.928	0.442	1	A
Methoxychlor	ND		ug/kg	4.18	1.30	1	A
Toxaphene	ND		ug/kg	41.8	11.7	1	A
cis-Chlordane	ND		ug/kg	2.78	0.776	1	A
trans-Chlordane	ND		ug/kg	2.78	0.735	1	A
Chlordane	ND		ug/kg	18.6	7.38	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02 Date Collected: 12/02/21 15:30

Client ID: EP45_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 12/06/21 18:00
Analyst: EJL
Percent Solids: 69%
Methylation Date: 12/05/21 01:22

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	237	15.0	1	A
2,4,5-T	ND		ug/kg	237	7.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	237	6.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	76		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/21 16:43
Analyst: AR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.974	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03 Date Collected: 12/02/21 14:45

Client ID: EP39_2 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	**225**	Q	30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 12/06/21 18:18
Analyst: EJL
Percent Solids: 88%
Methylation Date: 12/05/21 01:22

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.79	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	79		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/21 16:54
Analyst: AR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	5.13		ug/kg	1.20	0.602	1	B
4,4'-DDE	14.4		ug/kg	1.92	0.445	1	B
4,4'-DDD	3.92		ug/kg	1.92	0.686	1	A
4,4'-DDT	12.7		ug/kg	3.61	1.55	1	B
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	10.3	IP	ug/kg	2.41	0.670	1	B
trans-Chlordane	12.6		ug/kg	2.41	0.635	1	A
Chlordane	85.7		ug/kg	16.0	6.38	1	B

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04 Date Collected: 12/02/21 00:00

Client ID: EPDUP03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 12/06/21 18:37
Analyst: EJL
Percent Solids: 82%
Methylation Date: 12/05/21 01:22

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.7	1	A
2,4,5-T	ND		ug/kg	201	6.24	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	88		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/06/21 12:46
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 12/04/21 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06 Date Collected: 12/02/21 17:15

Client ID: EPFB03_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/06/21 21:03
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 17:19

Methylation Date: 12/05/21 14:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	85		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/04/21 10:55
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 16:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1578922-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/04/21 10:55
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 16:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1578922-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 12/06/21 17:05
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 09:07

Methylation Date: 12/05/21 01:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1579096-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.03	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	70		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 12/06/21 20:08
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 12/04/21 17:19

Methylation Date: 12/05/21 14:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 06 Batch: WG1579197-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	81		30-150	B

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/07/21 15:25
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1579672-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Aldrin	ND		ug/kg	1.55	0.547	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.648	0.266	A
Endrin aldehyde	ND		ug/kg	1.94	0.680	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.972	0.486	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.648	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.907	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	13.0	5.15	A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/07/21 15:25
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 12/06/21 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1579672-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1578922-2 WG1578922-3									
Delta-BHC	47		55		30-150	15		20	A
Lindane	58		66		30-150	13		20	A
Alpha-BHC	59		68		30-150	14		20	A
Beta-BHC	69		82		30-150	17		20	A
Heptachlor	63		68		30-150	9		20	A
Aldrin	69		78		30-150	12		20	A
Heptachlor epoxide	61		69		30-150	13		20	A
Endrin	73		83		30-150	13		20	A
Endrin aldehyde	60		73		30-150	19		20	A
Endrin ketone	80		94		30-150	16		20	A
Dieldrin	65		73		30-150	12		20	A
4,4'-DDE	64		72		30-150	12		20	A
4,4'-DDD	71		81		30-150	13		20	A
4,4'-DDT	68		76		30-150	12		20	A
Endosulfan I	60		67		30-150	11		20	A
Endosulfan II	64		74		30-150	14		20	A
Endosulfan sulfate	69		81		30-150	16		20	A
Methoxychlor	94		107		30-150	13		20	A
cis-Chlordane	69		77		30-150	11		20	A
trans-Chlordane	78		90		30-150	14		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1578922-2 WG1578922-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		75		30-150	A
Decachlorobiphenyl	71		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		55		30-150	B
Decachlorobiphenyl	65		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1579096-2 WG1579096-3									
2,4-D	93		94		30-150	1		30	A
2,4,5-T	88		87		30-150	1		30	A
2,4,5-TP (Silvex)	84		83		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		85		30-150	A
DCAA	80		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1579197-2 WG1579197-3									
2,4-D	97		102		30-150	5		25	A
2,4,5-T	97		103		30-150	6		25	A
2,4,5-TP (Silvex)	95		100		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	98		103		30-150	A
DCAA	93		98		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1579672-2 WG1579672-3									
Delta-BHC	74		58		30-150	24		30	A
Lindane	87		66		30-150	27		30	A
Alpha-BHC	74		58		30-150	24		30	A
Beta-BHC	98		65		30-150	**40**	Q	30	A
Heptachlor	87		73		30-150	18		30	A
Aldrin	79		66		30-150	18		30	A
Heptachlor epoxide	52		41		30-150	24		30	A
Endrin	78		63		30-150	21		30	A
Endrin aldehyde	60		49		30-150	20		30	A
Endrin ketone	74		61		30-150	19		30	A
Dieldrin	80		66		30-150	19		30	A
4,4'-DDE	69		56		30-150	21		30	A
4,4'-DDD	84		68		30-150	21		30	A
4,4'-DDT	74		61		30-150	19		30	A
Endosulfan I	67		54		30-150	21		30	A
Endosulfan II	79		66		30-150	18		30	A
Endosulfan sulfate	67		57		30-150	16		30	A
Methoxychlor	83		68		30-150	20		30	A
cis-Chlordane	57		48		30-150	17		30	A
trans-Chlordane	86		71		30-150	19		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1579672-2 WG1579672-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		74		30-150	A
Decachlorobiphenyl	90		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		67		30-150	B
Decachlorobiphenyl	82		65		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579096-4 WG1579096-5 QC Sample: L2166485-02 Client ID: EP45_2													
2,4-D	ND	237	214J	90		212J	88		30-150	1		30	A
2,4,5-T	ND	237	220J	93		215J	90		30-150	2		30	A
2,4,5-TP (Silvex)	ND	237	210J	89		205J	85		30-150	2		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	90		86		30-150	A
DCAA	83		79		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579672-4 WG1579672-5 QC Sample: L2166485-02 Client ID: EP45_2													
Delta-BHC	ND	46.8	0.585J	**1**	Q	ND	**0**	Q	30-150	NC		50	A
Lindane	ND	46.8	3.34	**7**	Q	0.964	**2**	Q	30-150	**110**	Q	50	A
Alpha-BHC	ND	46.8	19.0P	41		15.4P	34		30-150	21		50	A
Beta-BHC	ND	46.8	16.0	34		17.3	38		30-150	8		50	A
Heptachlor	ND	46.8	24.9	53		26.6	58		30-150	7		50	A
Aldrin	ND	46.8	38.1	81		34.9	77		30-150	9		50	A
Heptachlor epoxide	ND	46.8	25.6	55		25.7	56		30-150	0		50	A
Endrin	ND	46.8	29.8	64		42.0	92		30-150	34		50	A
Endrin aldehyde	ND	46.8	9.79	**21**	Q	15.7	34		30-150	46		50	A
Endrin ketone	ND	46.8	28.8	62		43.3P	95		30-150	40		50	A
Dieldrin	ND	46.8	31.5	67		32.7	72		30-150	4		50	A
4,4'-DDE	2.88	46.8	40.5	80		38.7	79		30-150	5		50	A
4,4'-DDD	ND	46.8	27.9	60		29.8	65		30-150	7		50	A
4,4'-DDT	ND	46.8	55.2P	118		49.5	109		30-150	11		50	A
Endosulfan I	ND	46.8	9.31	**20**	Q	14.1	31		30-150	41		50	A
Endosulfan II	ND	46.8	8.91	**19**	Q	24.8	54		30-150	**94**	Q	50	A
Endosulfan sulfate	ND	46.8	3.01	**6**	Q	6.02	**13**	Q	30-150	**67**	Q	50	A
Methoxychlor	ND	46.8	27.3	58		27.5	60		30-150	1		50	A
cis-Chlordane	ND	46.8	21.4	46		24.1	53		30-150	12		50	A
trans-Chlordane	ND	46.8	25.2	54		26.6	58		30-150	5		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579672-4 WG1579672-5 QC Sample: L2166485-02 Client ID: EP45_2

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	49		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		84		30-150	B
Decachlorobiphenyl	142		**166**	Q	30-150	B

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2166485
Project Number: 170229024
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5280		mg/kg	8.99	2.43	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.49	0.342	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Arsenic, Total	7.81		mg/kg	0.899	0.187	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Barium, Total	57.6		mg/kg	0.899	0.156	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Beryllium, Total	0.261	J	mg/kg	0.449	0.030	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Cadmium, Total	0.530	J	mg/kg	0.899	0.088	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Calcium, Total	22800		mg/kg	8.99	3.14	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Chromium, Total	11.7		mg/kg	0.455	0.044	1	12/09/21 05:50	12/09/21 15:01	EPA 3050B	1,6010D	EW
Cobalt, Total	7.67		mg/kg	1.80	0.149	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Copper, Total	37.9		mg/kg	0.899	0.232	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Iron, Total	11600		mg/kg	4.49	0.812	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Lead, Total	186		mg/kg	4.49	0.241	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Magnesium, Total	6550		mg/kg	8.99	1.38	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Manganese, Total	188		mg/kg	0.899	0.143	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Mercury, Total	0.196		mg/kg	0.078	0.051	1	12/06/21 19:45	12/07/21 07:42	EPA 7471B	1,7471B	AC
Nickel, Total	7.88		mg/kg	1.14	0.110	1	12/09/21 05:50	12/09/21 15:01	EPA 3050B	1,6010D	EW
Potassium, Total	766		mg/kg	225	12.9	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Selenium, Total	0.512	J	mg/kg	1.80	0.232	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Silver, Total	0.989		mg/kg	0.899	0.254	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Sodium, Total	102	J	mg/kg	180	2.83	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.80	0.283	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Vanadium, Total	19.4		mg/kg	0.899	0.182	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
Zinc, Total	158		mg/kg	4.49	0.263	2	12/06/21 19:05	12/08/21 20:37	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.96	0.96	1		12/09/21 15:01	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6750		mg/kg	11.4	3.08	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	5.70	0.433	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Arsenic, Total	13.7		mg/kg	1.14	0.237	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Barium, Total	440		mg/kg	1.14	0.198	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Beryllium, Total	0.445	J	mg/kg	0.570	0.038	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Cadmium, Total	1.08	J	mg/kg	1.14	0.112	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Calcium, Total	32900		mg/kg	11.4	3.99	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Chromium, Total	19.4		mg/kg	0.565	0.054	1	12/09/21 05:50	12/09/21 12:57	EPA 3050B	1,6010D	EW
Cobalt, Total	7.22		mg/kg	2.28	0.189	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Copper, Total	82.4		mg/kg	1.14	0.294	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Iron, Total	21400		mg/kg	5.70	1.03	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Lead, Total	604		mg/kg	5.70	0.306	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Magnesium, Total	3970		mg/kg	11.4	1.76	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Manganese, Total	374		mg/kg	1.14	0.181	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Mercury, Total	3.63		mg/kg	0.207	0.135	2	12/06/21 19:45	12/07/21 08:32	EPA 7471B	1,7471B	AC
Nickel, Total	13.7		mg/kg	1.41	0.137	1	12/09/21 05:50	12/09/21 12:57	EPA 3050B	1,6010D	EW
Potassium, Total	1060		mg/kg	285	16.4	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Selenium, Total	1.29	J	mg/kg	2.28	0.294	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	1.14	0.323	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Sodium, Total	294		mg/kg	228	3.59	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.28	0.359	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Vanadium, Total	27.8		mg/kg	1.14	0.232	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
Zinc, Total	467		mg/kg	5.70	0.334	2	12/06/21 19:05	12/08/21 19:46	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	1.2	1.2	1		12/09/21 12:57	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4560		mg/kg	8.79	2.37	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Antimony, Total	0.448	J	mg/kg	4.40	0.334	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Arsenic, Total	24.5		mg/kg	0.879	0.183	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Barium, Total	360		mg/kg	0.879	0.153	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Beryllium, Total	0.343	J	mg/kg	0.440	0.029	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Cadmium, Total	1.09		mg/kg	0.879	0.086	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Calcium, Total	21200		mg/kg	8.79	3.08	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Chromium, Total	23.0		mg/kg	0.434	0.042	1	12/09/21 05:50	12/09/21 15:06	EPA 3050B	1,6010D	EW
Cobalt, Total	6.59		mg/kg	1.76	0.146	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Copper, Total	97.0		mg/kg	0.879	0.227	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Iron, Total	19100		mg/kg	4.40	0.794	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Lead, Total	547		mg/kg	4.40	0.236	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Magnesium, Total	3960		mg/kg	8.79	1.35	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Manganese, Total	432		mg/kg	0.879	0.140	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Mercury, Total	0.950		mg/kg	0.079	0.052	1	12/06/21 19:45	12/07/21 07:45	EPA 7471B	1,7471B	AC
Nickel, Total	12.5		mg/kg	1.08	0.105	1	12/09/21 05:50	12/09/21 15:06	EPA 3050B	1,6010D	EW
Potassium, Total	806		mg/kg	220	12.6	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Selenium, Total	1.31	J	mg/kg	1.76	0.227	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.879	0.249	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Sodium, Total	220		mg/kg	176	2.77	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.76	0.277	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Vanadium, Total	19.5		mg/kg	0.879	0.178	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
Zinc, Total	358		mg/kg	4.40	0.258	2	12/06/21 19:05	12/08/21 20:42	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22	J	mg/kg	0.91	0.91	1		12/09/21 15:06	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4920		mg/kg	9.48	2.56	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.74	0.360	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Arsenic, Total	13.4		mg/kg	0.948	0.197	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Barium, Total	104		mg/kg	0.948	0.165	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Beryllium, Total	0.294	J	mg/kg	0.474	0.031	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Cadmium, Total	0.824	J	mg/kg	0.948	0.093	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Calcium, Total	13300		mg/kg	9.48	3.32	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Chromium, Total	12.9		mg/kg	0.464	0.045	1	12/09/21 05:50	12/09/21 15:10	EPA 3050B	1,6010D	EW
Cobalt, Total	4.76		mg/kg	1.90	0.157	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Copper, Total	38.2		mg/kg	0.948	0.244	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Iron, Total	15100		mg/kg	4.74	0.856	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Lead, Total	150		mg/kg	4.74	0.254	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Magnesium, Total	6060		mg/kg	9.48	1.46	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Manganese, Total	221		mg/kg	0.948	0.151	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Mercury, Total	0.267		mg/kg	0.086	0.056	1	12/06/21 19:45	12/07/21 07:49	EPA 7471B	1,7471B	AC
Nickel, Total	8.48		mg/kg	1.16	0.112	1	12/09/21 05:50	12/09/21 15:10	EPA 3050B	1,6010D	EW
Potassium, Total	806		mg/kg	237	13.6	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Selenium, Total	102.		mg/kg	1.90	0.244	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.948	0.268	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Sodium, Total	94.3	J	mg/kg	190	2.98	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.90	0.298	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Vanadium, Total	22.9		mg/kg	0.948	0.192	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
Zinc, Total	204		mg/kg	4.74	0.278	2	12/06/21 19:05	12/08/21 20:47	EPA 3050B	1,6010D	DL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.98	0.98	1		12/09/21 15:10	NA	107,-	

Project Name: 45 COMMERCIAL STREET
Lab Number: L2166485
Project Number: 170229024
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY
Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Copper, Total	0.00186		mg/l	0.00100	0.00038	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/08/21 11:47	12/08/21 18:53	EPA 7470A	1,7470A	AC
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Thallium, Total	0.00022	J	mg/l	0.00200	0.00014	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/08/21 11:45	12/09/21 09:00	EPA 3005A	1,6020B	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		12/09/21 09:00	NA	107,-	

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166485

Project Number: 170229024 **Report Date:** 01/04/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1579602-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Cobalt, Total	0.080	J	mg/kg	0.800	0.066	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Copper, Total	0.204	J	mg/kg	0.400	0.103	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Iron, Total	41.0		mg/kg	2.00	0.361	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Manganese, Total	0.660		mg/kg	0.400	0.064	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Selenium, Total	0.224	J	mg/kg	0.800	0.103	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Sodium, Total	9.67	J	mg/kg	80.0	1.26	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/06/21 19:05	12/08/21 19:21	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1579604-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/06/21 19:45	12/07/21 06:56	1,7471B	AC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06 Batch: WG1580279-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Calcium, Total	0.0466	J	mg/l	0.100	0.0394	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Thallium, Total	0.00043	J	mg/l	0.00200	0.00014	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/08/21 11:45	12/09/21 08:51	1,6020B	PS

Prep Information

Digestion Method: EPA 3005A

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06 Batch: WG1580281-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/08/21 11:47	12/08/21 17:33	1,7470A	AC

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1580970-1										
Chromium, Total	0.048	J	mg/kg	0.400	0.038	1	12/09/21 05:50	12/09/21 12:34	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/09/21 05:50	12/09/21 12:34	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579602-2 SRM Lot Number: D109-540								
Aluminum, Total	55		-		50-150	-		
Antimony, Total	98		-		19-250	-		
Arsenic, Total	78		-		70-130	-		
Barium, Total	75		-		75-125	-		
Beryllium, Total	85		-		75-125	-		
Cadmium, Total	80		-		75-125	-		
Calcium, Total	78		-		73-128	-		
Cobalt, Total	80		-		75-125	-		
Copper, Total	76		-		75-125	-		
Iron, Total	75		-		35-165	-		
Lead, Total	74		-		72-128	-		
Magnesium, Total	72		-		62-138	-		
Manganese, Total	78		-		74-126	-		
Potassium, Total	71		-		59-141	-		
Selenium, Total	83		-		68-132	-		
Silver, Total	74		-		68-131	-		
Sodium, Total	105		-		35-165	-		
Thallium, Total	76		-		68-131	-		
Vanadium, Total	75		-		59-141	-		
Zinc, Total	77		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579604-2 SRM Lot Number: D109-540					
Mercury, Total	106	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1580279-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	87	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	95	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	106	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	112	-	80-120	-	
Selenium, Total	97	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	98	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1580279-2					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1580281-2					
Mercury, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1580970-2 SRM Lot Number: D109-540					
Chromium, Total	85	-	70-130	-	
Nickel, Total	84	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579602-3 WG1579602-4 QC Sample: L2166485-02 Client ID: EP45_2												
Aluminum, Total	6750	231	6850	**43**	Q	7400	**280**	Q	75-125	8		20
Antimony, Total	ND	57.8	47.4	82		43.1	**74**	Q	75-125	10		20
Arsenic, Total	13.7	13.9	29.9	117		26.0	88		75-125	14		20
Barium, Total	440	231	686	106		1150	**305**	Q	75-125	**51**	Q	20
Beryllium, Total	0.445J	5.78	6.17	107		6.22	107		75-125	1		20
Cadmium, Total	1.08J	6.13	6.77	110		8.20	**133**	Q	75-125	19		20
Calcium, Total	32900	1160	27800	**0**	Q	31200	**0**	Q	75-125	12		20
Cobalt, Total	7.22	57.8	56.8	86		52.7	78		75-125	7		20
Copper, Total	82.4	28.9	102	**68**	Q	110	95		75-125	8		20
Iron, Total	21400	116	21000	**0**	Q	22000	**516**	Q	75-125	5		20
Lead, Total	604	61.3	626	**36**	Q	781	**287**	Q	75-125	**22**	Q	20
Magnesium, Total	3970	1160	5050	93		4960	85		75-125	2		20
Manganese, Total	374	57.8	405	**54**	Q	426	89		75-125	5		20
Potassium, Total	1060	1160	2400	116		2500	124		75-125	4		20
Selenium, Total	1.29J	13.9	14.9	107		13.9	100		75-125	7		20
Silver, Total	ND	34.7	36.3	104		35.4	102		75-125	3		20
Sodium, Total	294	1160	1550	108		1610	113		75-125	4		20
Thallium, Total	ND	13.9	11.0	79		10.8	77		75-125	2		20
Vanadium, Total	27.8	57.8	81.7	93		80.6	91		75-125	1		20
Zinc, Total	467	57.8	516	85		2070	**2760**	Q	75-125	**120**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579604-3 WG1579604-4 QC Sample: L2166485-02 Client ID: EP45_2												
Mercury, Total	3.63	0.191	4.13	**262**	Q	3.14	**0**	Q	80-120	**27**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580279-3 QC Sample: L2166485-06 Client ID: EPFB03_120221									
Aluminum, Total	ND	2	2.09	104	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.4020	80	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1169	97	-	-	75-125	-	20
Barium, Total	ND	2	1.866	93	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04822	96	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05005	94	-	-	75-125	-	20
Calcium, Total	ND	10	10.0	100	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1971	98	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4828	96	-	-	75-125	-	20
Copper, Total	0.00186	0.25	0.2446	97	-	-	75-125	-	20
Iron, Total	ND	1	1.03	103	-	-	75-125	-	20
Lead, Total	ND	0.53	0.4804	91	-	-	75-125	-	20
Magnesium, Total	ND	10	10.3	103	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.4971	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4850	97	-	-	75-125	-	20
Potassium, Total	ND	10	10.6	106	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.113	94	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04822	96	-	-	75-125	-	20
Sodium, Total	ND	10	10.1	101	-	-	75-125	-	20
Thallium, Total	0.00022J	0.12	0.1117	93	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4999	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580279-3 QC Sample: L2166485-06 Client ID: EPFB03_120221											
Zinc, Total	ND	0.5	0.4757	95		-	-		75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580281-3 QC Sample: L2165440-07 Client ID: MS Sample											
Mercury, Total	ND	0.025	0.02278	91		-	-		75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1580970-3 WG1580970-4 QC Sample: L2166485-02 Client ID: EP45_2											
Chromium, Total	19.4	22.3	35.2	**71**	Q	35.8	**74**	Q	75-125	2	20
Nickel, Total	13.7	55.8	45.7	**57**	Q	43.0	**53**	Q	75-125	6	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580279-4 QC Sample: L2166485-06 Client ID: EPFB03_120221						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00186	0.00183	mg/l	1		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	ND	ND	mg/l	NC		20
Manganese, Total	ND	0.00044J	mg/l	NC		20
Nickel, Total	ND	0.00125J	mg/l	NC		20
Potassium, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580279-4 QC Sample: L2166485-06 Client ID: EPFB03_120221					
Thallium, Total	0.00022J	0.00029J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1580281-4 QC Sample: L2165440-07 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579602-6 QC Sample: L2166485-02 Client ID: EP45_2						
Aluminum, Total	6750	7400	mg/kg	10		20
Barium, Total	440	484	mg/kg	10		20
Calcium, Total	32900	36300	mg/kg	10		20
Copper, Total	82.4	85.8	mg/kg	4		20
Iron, Total	21400	24700	mg/kg	15		20
Lead, Total	604	651	mg/kg	8		20
Magnesium, Total	3970	4680	mg/kg	18		20
Manganese, Total	374	421	mg/kg	13		20
Zinc, Total	467	508	mg/kg	9		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1580970-6 QC Sample: L2166485-02 Client ID: EP45_2						
Chromium, Total	19.4	26.2	mg/kg	**35**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-01
Client ID: EPSW04
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 16:30
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	12/04/21 09:53	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.959	0.192	1	12/07/21 20:33	12/08/21 19:42	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-02
Client ID: EP45_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 15:30
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	12/04/21 09:53	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.17	0.233	1	12/07/21 20:33	12/08/21 19:42	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-03
Client ID: EP39_2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 14:45
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	12/04/21 09:53	121,2540G	RI
Chromium, Hexavalent	0.593	J	mg/kg	0.912	0.182	1	12/07/21 20:33	12/08/21 19:42	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-04
Client ID: EPDUP03_120221
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 00:00
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	12/04/21 09:53	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.980	0.196	1	12/07/21 20:33	12/08/21 19:42	1,7196A	NL

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

SAMPLE RESULTS

Lab ID: L2166485-06
Client ID: EPFB03_120221
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 12/02/21 17:15
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/04/21 08:00	12/04/21 08:18	1,7196A	KA

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1579067-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/04/21 08:00	12/04/21 08:14	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1580291-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	12/07/21 20:33	12/08/21 19:42	1,7196A	NL

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166485

Report Date: 01/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1579067-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1580291-2								
Chromium, Hexavalent	111		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1579067-4 QC Sample: L2166485-06 Client ID: EPFB03_120221												
Chromium, Hexavalent	ND	0.1	0.087	87		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580291-4 WG1580291-5 QC Sample: L2166485-02 Client ID: EP45_2												
Chromium, Hexavalent	ND	1220	1090	89		1380	87		75-125	**23**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1579067-3 QC Sample: L2166485-06 Client ID: EPFB03_120221						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1579073-1 QC Sample: L2166485-02 Client ID: EP45_2						
Solids, Total	68.6	65.3	%	5		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1580291-7 QC Sample: L2166485-02 Client ID: EP45_2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166485-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-01B	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-01C	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2166485-01E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-01G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-01H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-01I	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-02A1	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-02A2	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-02B	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02B1	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02B2	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02C	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02C1	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02C2	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166485-02D1	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2166485-02D2	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2166485-02E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-02E1	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-02E2	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-02F1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-02F2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-02G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02G1	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02G2	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02H1	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02H2	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2166485-02I	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-02I1	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-02I2	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-03A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-03B	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166485-03C	Vial water preserved	A	NA		3.5	Y	Absent	04-DEC-21 03:05	NYTCL-8260HLW(14)
L2166485-03D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2166485-03E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-03G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-03H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-03I	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-04A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2166485-04B	Vial water preserved	A	NA		3.5	Y	Absent	**04-DEC-21 03:05**	NYTCL-8260HLW(14)
L2166485-04C	Vial water preserved	A	NA		3.5	Y	Absent	**04-DEC-21 03:05**	NYTCL-8260HLW(14)
L2166485-04D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2166485-04E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2166485-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2166485-04G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-04H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2166485-04I	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-05A	Plastic 250ml unpreserved	C	NA		4.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166485-06A	Vial HCl preserved	C	NA		4.7	Y	Absent		NYTCL-8260(14)
L2166485-06B	Vial HCl preserved	C	NA		4.7	Y	Absent		NYTCL-8260(14)
L2166485-06C	Vial HCl preserved	C	NA		4.7	Y	Absent		NYTCL-8260(14)
L2166485-06D	Amber 120ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8082-LVI(365)
L2166485-06E	Amber 120ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166485
Report Date: 01/04/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166485-06F	Amber 120ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8081(7)
L2166485-06G	Amber 120ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8081(7)
L2166485-06H	Amber 250ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2166485-06I	Amber 250ml unpreserved	C	7	7	4.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2166485-06J	Plastic 250ml HNO3 preserved	C	<2	<2	4.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2166485-06K	Plastic 500ml unpreserved	C	7	7	4.7	Y	Absent		HEXCR-7196(1)
L2166485-06L	Amber 1000ml unpreserved	C	7	7	4.7	Y	Absent		HERB-APA(7)
L2166485-06M	Amber 1000ml unpreserved	C	7	7	4.7	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166485
Report Date: 01/04/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166485
Project Number:	170229024	**Report Date:**	01/04/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166485
Project Number:	170229024	**Report Date:**	01/04/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166485
Project Number:	170229024	**Report Date:**	01/04/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166485
Project Number:	170229024	**Report Date:**	01/04/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12-03-21

ALPHA Job #: L2166485

Client Information
Client: Langan - PDC
Address: 360 W 31 street
NY NY York, NY 10001
Phone: 212-479-5460
Fax: 212-479-5444
Email: WKim@Langan

Project Information
Project Name: 45 commercial street
Project Location: Brooklyn NY
Project #: 170224024
(Use Project name as Project #): ☐
Project Manager: Won Kim
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbs	TAL Metals 4 ea	PFAS	1,4 dioxane	Total Bottle
66485-01	~~EPSW03~~ EPSW04	12/2/21	1630	Soil	YMD	X	X	X	X	X	X	X	
-02	EP45-2-MSD03		1540			X	X	X	X	X	X	X	
-02	EP45-2-MS03		1535			X	X	X	X	X	X	X	
-03	EP39-2		1445			X	X	X	X	X	X	X	
-02	EP45-2		1530			X	X	X	X	X	X	X	
-04	EPDUP03_120221		~~1230~~			X	X	X	X	X		X	
-05	EPFB22-120221		1700	AQ							X		
-06	EPFB03-120221		1715	QC		X	X	X	X	X		X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1015		12/3/21 10:15
	12/3/21 15:40		12/3/21 16:40
	12/3/21		
			12/3/21 2235

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page ___ of ___

Date Rec'd in Lab: 12-03-21

ALPHA Job #: L2166485

Client Information

Client: Langan - PDC
Address: 360 W 31 street
New York, NY 10001
Phone: 212-479-5460
Fax: 212-479-5444
Email: W Kim @ Langan

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	Part 375 SVOCs	PCBs	Pesticides/Herbicides	TAL Metal/Hex	PFAS	1,4 dioxid		Sample Specific Comments	Total Bottle
66485-01	EPSW03	12/2/21	1630	Soil	VMD	x	x	x	x	x	x	x			
-02	EP45-2-MSD03	↓	1540	↓	↓	x	x	x	x	x	x	x			
-02	EP45-2-MS03	↓	1535	↓	↓	x	x	x	x	x	x	x			
-03	EP39-2	↓	1445	↓	↓	x	x	x	x	x	x	x			
-02	EP45-2	↓	1530	↓	↓	x	x	x	x	x	x	x			
-04	EPDUP03_120221	↓	~~[illegible]~~	↓	↓	x	x	x	x	x		x			
-05	EPFB22-120221	↓	1711	AQ	↓						x				
-06	EPFB03-120221	↓	1715	QX	↓	x	x	x	x	x		x			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/3/21 1015	[signature]	12/3/21 10:15
[signature]	12/3/21 15:40	[signature] AAC	12/3/21 16:40
[signature] AAC	12/3/21	[signature]	[illegible]
[signature]	[illegible]	[signature]	12/3/21 2235

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2141428
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	08/11/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2141428-01	LB16_EPB01_9	SOIL	BROOKLYN, NY	08/03/21 11:40	08/03/21
L2141428-02	LB16_EPSW01_N_7	SOIL	BROOKLYN, NY	08/03/21 11:42	08/03/21
L2141428-03	LB16_EPSW02_E_7	SOIL	BROOKLYN, NY	08/03/21 11:44	08/03/21
L2141428-04	LB16_EPSW03_S_7	SOIL	BROOKLYN, NY	08/03/21 11:46	08/03/21
L2141428-05	LB16_EPSW04_W_7	SOIL	BROOKLYN, NY	08/03/21 11:48	08/03/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
Project Number:	170229024	**Report Date:**	08/11/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
Project Number:	170229024	**Report Date:**	08/11/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2141428-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1531624-3 MS recoveries, performed on L2141428-01, are outside the acceptance criteria for chromium (71%), lead (59%), magnesium (67%) and potassium (74%). A post digestion spike was performed and was within acceptance criteria.

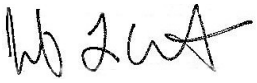
The WG1531624-3 MS recoveries, performed on L2141428-01, are outside the acceptance criteria for copper (528%) and manganese (40%). A post digestion spike was performed and yielded unacceptable recoveries for copper (74%) and manganese (77%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1531624-3 MS recoveries for aluminum (0%), calcium (0%), and iron (0%), performed on L2141428-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1531624-4 Laboratory Duplicate RPDs for aluminum (25%), arsenic (32%), beryllium (25%), calcium (32%), cobalt (36%), copper (29%), iron (34%), lead (46%), magnesium (31%), manganese (58%), nickel (35%), potassium (33%) and vanadium (23%), performed on L2141428-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1531626-3 MS recovery, performed on L2141428-01, is outside the acceptance criteria for mercury (141%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Jennifer L Clements

Title: Technical Director/Representative Date: 08/11/21

ORGANICS

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-01
Client ID: LB16_EPB01_9
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:40
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/21 10:15
Analyst: CMM
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	170	J	ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	41.	1
1,3-Dichlorobenzene	ND		ug/kg	230	39.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	2600		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	200	30.	1
Naphthalene	200	J	ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	200	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-01 Date Collected: 08/03/21 11:40

Client ID: LB16_EPB01_9 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	1400		ug/kg	140	26.	1
Benzo(a)pyrene	1500		ug/kg	180	56.	1
Benzo(b)fluoranthene	1900		ug/kg	140	38.	1
Benzo(k)fluoranthene	640		ug/kg	140	36.	1
Chrysene	1400		ug/kg	140	24.	1
Acenaphthylene	80	J	ug/kg	180	35.	1
Anthracene	360		ug/kg	140	44.	1
Benzo(ghi)perylene	1200		ug/kg	180	27.	1
Fluorene	170	J	ug/kg	230	22.	1
Phenanthrene	1800		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	270		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	180	32.	1
Pyrene	2400		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	94.	1
Dibenzofuran	120	J	ug/kg	230	22.	1
2-Methylnaphthalene	85	J	ug/kg	270	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	75.	1
2-Nitrophenol	ND		ug/kg	490	86.	1
4-Nitrophenol	ND		ug/kg	320	93.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	230	34.	1
2-Methylphenol	ND		ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	36.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-01 Date Collected: 08/03/21 11:40

Client ID: LB16_EPB01_9 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	ND		ug/kg	740	230	1
Benzyl Alcohol	ND		ug/kg	230	70.	1
Carbazole	170	J	ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	42		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02
Client ID: LB16_EPSW01_N_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:42
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/21 10:39
Analyst: CMM
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1400		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	23000	E	ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	860		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02 Date Collected: 08/03/21 11:42

Client ID: LB16_EPSW01_N_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	12000	E	ug/kg	130	25.	1
Benzo(a)pyrene	10000	E	ug/kg	180	55.	1
Benzo(b)fluoranthene	15000	E	ug/kg	130	38.	1
Benzo(k)fluoranthene	2800		ug/kg	130	36.	1
Chrysene	11000	E	ug/kg	130	23.	1
Acenaphthylene	220		ug/kg	180	34.	1
Anthracene	4200		ug/kg	130	44.	1
Benzo(ghi)perylene	7000		ug/kg	180	26.	1
Fluorene	2200		ug/kg	220	22.	1
Phenanthrene	19000	E	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	1800		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	8000		ug/kg	180	31.	1
Pyrene	19000	E	ug/kg	130	22.	1
Biphenyl	160	J	ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	93.	1
Dibenzofuran	1300		ug/kg	220	21.	1
2-Methylnaphthalene	470		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	30	J	ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	58	J	ug/kg	320	35.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02 Date Collected: 08/03/21 11:42

Client ID: LB16_EPSW01_N_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	720	230	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	3300		ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	60		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02 D
Client ID: LB16_EPSW01_N_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:42
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/11/21 12:57
Analyst: WR
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	29000		ug/kg	1300	260	10
Benzo(a)anthracene	11000		ug/kg	1300	250	10
Benzo(a)pyrene	13000		ug/kg	1800	550	10
Benzo(b)fluoranthene	16000		ug/kg	1300	380	10
Chrysene	12000		ug/kg	1300	230	10
Phenanthrene	23000		ug/kg	1300	270	10
Pyrene	22000		ug/kg	1300	220	10

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03 D2
Client ID: LB16_EPSW02_E_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:44
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/10/21 17:12
Analyst: ALS
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	61000		ug/kg	1400	280	10
Benzo(b)fluoranthene	60000		ug/kg	1400	400	10
Pyrene	50000		ug/kg	1400	240	10

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03 D
Client ID: LB16_EPSW02_E_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:44
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/21 11:02
Analyst: CMM
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2900		ug/kg	960	120	5
1,2,4-Trichlorobenzene	ND		ug/kg	1200	140	5
Hexachlorobenzene	ND		ug/kg	720	130	5
Bis(2-chloroethyl)ether	ND		ug/kg	1100	160	5
2-Chloronaphthalene	ND		ug/kg	1200	120	5
1,2-Dichlorobenzene	ND		ug/kg	1200	220	5
1,3-Dichlorobenzene	ND		ug/kg	1200	210	5
1,4-Dichlorobenzene	ND		ug/kg	1200	210	5
3,3'-Dichlorobenzidine	ND		ug/kg	1200	320	5
2,4-Dinitrotoluene	ND		ug/kg	1200	240	5
2,6-Dinitrotoluene	ND		ug/kg	1200	210	5
Fluoranthene	62000	E	ug/kg	720	140	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1200	130	5
4-Bromophenyl phenyl ether	ND		ug/kg	1200	180	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1400	200	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1300	120	5
Hexachlorobutadiene	ND		ug/kg	1200	180	5
Hexachlorocyclopentadiene	ND		ug/kg	3400	1100	5
Hexachloroethane	ND		ug/kg	960	200	5
Isophorone	ND		ug/kg	1100	160	5
Naphthalene	1400		ug/kg	1200	150	5
Nitrobenzene	ND		ug/kg	1100	180	5
NDPA/DPA	ND		ug/kg	960	140	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1200	190	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1200	420	5
Butyl benzyl phthalate	ND		ug/kg	1200	300	5
Di-n-butylphthalate	ND		ug/kg	1200	230	5
Di-n-octylphthalate	ND		ug/kg	1200	410	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03 D Date Collected: 08/03/21 11:44
Client ID: LB16_EPSW02_E_7 Date Received: 08/03/21
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1200	110	5
Dimethyl phthalate	ND		ug/kg	1200	250	5
Benzo(a)anthracene	36000		ug/kg	720	140	5
Benzo(a)pyrene	43000		ug/kg	960	290	5
Benzo(b)fluoranthene	60000	E	ug/kg	720	200	5
Benzo(k)fluoranthene	13000		ug/kg	720	190	5
Chrysene	38000		ug/kg	720	120	5
Acenaphthylene	ND		ug/kg	960	190	5
Anthracene	8800		ug/kg	720	240	5
Benzo(ghi)perylene	34000		ug/kg	960	140	5
Fluorene	4000		ug/kg	1200	120	5
Phenanthrene	45000		ug/kg	720	150	5
Dibenzo(a,h)anthracene	8600		ug/kg	720	140	5
Indeno(1,2,3-cd)pyrene	39000		ug/kg	960	170	5
Pyrene	51000	E	ug/kg	720	120	5
Biphenyl	ND		ug/kg	2700	280	5
4-Chloroaniline	ND		ug/kg	1200	220	5
2-Nitroaniline	ND		ug/kg	1200	230	5
3-Nitroaniline	ND		ug/kg	1200	230	5
4-Nitroaniline	ND		ug/kg	1200	500	5
Dibenzofuran	2300		ug/kg	1200	110	5
2-Methylnaphthalene	600	J	ug/kg	1400	140	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1200	120	5
Acetophenone	ND		ug/kg	1200	150	5
2,4,6-Trichlorophenol	ND		ug/kg	720	230	5
p-Chloro-m-cresol	ND		ug/kg	1200	180	5
2-Chlorophenol	ND		ug/kg	1200	140	5
2,4-Dichlorophenol	ND		ug/kg	1100	190	5
2,4-Dimethylphenol	ND		ug/kg	1200	400	5
2-Nitrophenol	ND		ug/kg	2600	450	5
4-Nitrophenol	ND		ug/kg	1700	490	5
2,4-Dinitrophenol	ND		ug/kg	5800	560	5
4,6-Dinitro-o-cresol	ND		ug/kg	3100	580	5
Pentachlorophenol	ND		ug/kg	960	260	5
Phenol	ND		ug/kg	1200	180	5
2-Methylphenol	ND		ug/kg	1200	190	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1700	190	5

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03 D
Client ID: LB16_EPSW02_E_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:44
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1200	230	5
Benzoic Acid	ND		ug/kg	3900	1200	5
Benzyl Alcohol	ND		ug/kg	1200	370	5
Carbazole	7500		ug/kg	1200	120	5
1,4-Dioxane	ND		ug/kg	180	55.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	55		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04
Client ID: LB16_EPSW03_S_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:46
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/21 17:00
Analyst: CMM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	28000	E	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	720		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04 Date Collected: 08/03/21 11:46

Client ID: LB16_EPSW03_S_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	23000	E	ug/kg	130	24.	1
Benzo(a)pyrene	22000	E	ug/kg	170	53.	1
Benzo(b)fluoranthene	36000	E	ug/kg	130	36.	1
Benzo(k)fluoranthene	4700		ug/kg	130	35.	1
Chrysene	19000	E	ug/kg	130	22.	1
Acenaphthylene	100	J	ug/kg	170	33.	1
Anthracene	3600		ug/kg	130	42.	1
Benzo(ghi)perylene	16000	E	ug/kg	170	26.	1
Fluorene	1600		ug/kg	220	21.	1
Phenanthrene	18000	E	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	2900		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	18000	E	ug/kg	170	30.	1
Pyrene	24000	E	ug/kg	130	22.	1
Biphenyl	110	J	ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	970		ug/kg	220	20.	1
2-Methylnaphthalene	340		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04 Date Collected: 08/03/21 11:46

Client ID: LB16_EPSW03_S_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	3400		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	32	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	49		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04 D
Client ID: LB16_EPSW03_S_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:46
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/10/21 17:34
Analyst: ALS
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	39000		ug/kg	1300	250	10
Benzo(a)anthracene	24000		ug/kg	1300	240	10
Benzo(a)pyrene	30000		ug/kg	1700	530	10
Benzo(b)fluoranthene	41000		ug/kg	1300	360	10
Chrysene	25000		ug/kg	1300	220	10
Benzo(ghi)perylene	23000		ug/kg	1700	260	10
Phenanthrene	22000		ug/kg	1300	260	10
Indeno(1,2,3-cd)pyrene	25000		ug/kg	1700	300	10
Pyrene	33000		ug/kg	1300	220	10

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-05
Client ID: LB16_EPSW04_W_7
Sample Location: BROOKLYN, NY

Date Collected: 08/03/21 11:48
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/21 17:24
Analyst: CMM
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 08/04/21 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	590		ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	41.	1
1,3-Dichlorobenzene	ND		ug/kg	230	39.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	3600		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	200	30.	1
Naphthalene	300		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	200	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-05 Date Collected: 08/03/21 11:48

Client ID: LB16_EPSW04_W_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	1800		ug/kg	140	26.	1
Benzo(a)pyrene	1300		ug/kg	180	56.	1
Benzo(b)fluoranthene	1600		ug/kg	140	38.	1
Benzo(k)fluoranthene	520		ug/kg	140	36.	1
Chrysene	1600		ug/kg	140	24.	1
Acenaphthylene	150	J	ug/kg	180	35.	1
Anthracene	1000		ug/kg	140	44.	1
Benzo(ghi)perylene	520		ug/kg	180	27.	1
Fluorene	620		ug/kg	230	22.	1
Phenanthrene	3700		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	190		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	620		ug/kg	180	32.	1
Pyrene	3100		ug/kg	140	23.	1
Biphenyl	53	J	ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	94.	1
Dibenzofuran	300		ug/kg	230	22.	1
2-Methylnaphthalene	170	J	ug/kg	270	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	75.	1
2-Nitrophenol	ND		ug/kg	490	86.	1
4-Nitrophenol	ND		ug/kg	320	93.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	230	34.	1
2-Methylphenol	ND		ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	140	J	ug/kg	330	36.	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-05 Date Collected: 08/03/21 11:48

Client ID: LB16_EPSW04_W_7 Date Received: 08/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	ND		ug/kg	740	230	1
Benzyl Alcohol	ND		ug/kg	230	70.	1
Carbazole	370		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	47		18-120

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/04/21 21:37
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/21 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1531620-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/04/21 21:37
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/21 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1531620-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/04/21 21:37
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/21 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1531620-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1531620-2 WG1531620-3								
Acenaphthene	74		80		31-137	8		50
1,2,4-Trichlorobenzene	61		64		38-107	5		50
Hexachlorobenzene	58		63		40-140	8		50
Bis(2-chloroethyl)ether	74		79		40-140	7		50
2-Chloronaphthalene	66		69		40-140	4		50
1,2-Dichlorobenzene	67		70		40-140	4		50
1,3-Dichlorobenzene	66		68		40-140	3		50
1,4-Dichlorobenzene	65		66		28-104	2		50
3,3'-Dichlorobenzidine	69		72		40-140	4		50
2,4-Dinitrotoluene	82		89		40-132	8		50
2,6-Dinitrotoluene	77		81		40-140	5		50
Fluoranthene	76		82		40-140	8		50
4-Chlorophenyl phenyl ether	62		68		40-140	9		50
4-Bromophenyl phenyl ether	60		64		40-140	6		50
Bis(2-chloroisopropyl)ether	69		72		40-140	4		50
Bis(2-chloroethoxy)methane	75		80		40-117	6		50
Hexachlorobutadiene	52		54		40-140	4		50
Hexachlorocyclopentadiene	57		58		40-140	2		50
Hexachloroethane	73		74		40-140	1		50
Isophorone	84		87		40-140	4		50
Naphthalene	69		72		40-140	4		50
Nitrobenzene	81		84		40-140	4		50
NDPA/DPA	75		79		36-157	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1531620-2 WG1531620-3								
n-Nitrosodi-n-propylamine	87		90		32-121	3		50
Bis(2-ethylhexyl)phthalate	103		113		40-140	9		50
Butyl benzyl phthalate	91		97		40-140	6		50
Di-n-butylphthalate	90		98		40-140	9		50
Di-n-octylphthalate	97		105		40-140	8		50
Diethyl phthalate	78		85		40-140	9		50
Dimethyl phthalate	69		73		40-140	6		50
Benzo(a)anthracene	80		88		40-140	10		50
Benzo(a)pyrene	84		91		40-140	8		50
Benzo(b)fluoranthene	82		88		40-140	7		50
Benzo(k)fluoranthene	77		87		40-140	12		50
Chrysene	75		82		40-140	9		50
Acenaphthylene	69		74		40-140	7		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	77		84		40-140	9		50
Fluorene	72		79		40-140	9		50
Phenanthrene	75		81		40-140	8		50
Dibenzo(a,h)anthracene	76		81		40-140	6		50
Indeno(1,2,3-cd)pyrene	76		82		40-140	8		50
Pyrene	74		79		35-142	7		50
Biphenyl	57		59		37-127	3		50
4-Chloroaniline	85		88		40-140	3		50
2-Nitroaniline	77		81		47-134	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1531620-2 WG1531620-3								
3-Nitroaniline	74		80		26-129	8		50
4-Nitroaniline	80		80		41-125	0		50
Dibenzofuran	70		74		40-140	6		50
2-Methylnaphthalene	65		68		40-140	5		50
1,2,4,5-Tetrachlorobenzene	48		50		40-117	4		50
Acetophenone	74		80		14-144	8		50
2,4,6-Trichlorophenol	66		68		30-130	3		50
p-Chloro-m-cresol	83		89		26-103	7		50
2-Chlorophenol	78		82		25-102	5		50
2,4-Dichlorophenol	71		74		30-130	4		50
2,4-Dimethylphenol	82		86		30-130	5		50
2-Nitrophenol	80		83		30-130	4		50
4-Nitrophenol	107		**119**	Q	11-114	11		50
2,4-Dinitrophenol	65		73		4-130	12		50
4,6-Dinitro-o-cresol	81		90		10-130	11		50
Pentachlorophenol	65		73		17-109	12		50
Phenol	82		85		26-90	4		50
2-Methylphenol	81		84		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		89		30-130	3		50
2,4,5-Trichlorophenol	65		72		30-130	10		50
Benzoic Acid	38		41		10-110	8		50
Benzyl Alcohol	85		86		40-140	1		50
Carbazole	80		87		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1531620-2 WG1531620-3								
1,4-Dioxane	52		50		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		71		25-120
Phenol-d6	84		87		10-120
Nitrobenzene-d5	80		84		23-120
2-Fluorobiphenyl	60		63		30-120
2,4,6-Tribromophenol	59		66		10-136
4-Terphenyl-d14	65		71		18-120

METALS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-01
Client ID: LB16_EPB01_9
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 11:40
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16200		mg/kg	10.8	2.91	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	5.40	0.410	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Arsenic, Total	34.0		mg/kg	1.08	0.224	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Barium, Total	74.2		mg/kg	1.08	0.188	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Beryllium, Total	0.702		mg/kg	0.540	0.036	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Cadmium, Total	8.96		mg/kg	1.08	0.106	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Calcium, Total	10700		mg/kg	10.8	3.78	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Chromium, Total	16.8		mg/kg	1.08	0.104	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Cobalt, Total	11.6		mg/kg	2.16	0.179	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Copper, Total	144		mg/kg	1.08	0.278	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Iron, Total	9820		mg/kg	5.40	0.975	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Lead, Total	46.4		mg/kg	5.40	0.289	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Magnesium, Total	496		mg/kg	10.8	1.66	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Manganese, Total	59.4		mg/kg	1.08	0.172	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Mercury, Total	0.072	J	mg/kg	0.096	0.062	1	08/04/21 22:12	08/05/21 13:39	EPA 7471B	1,7471B	OU
Nickel, Total	23.1		mg/kg	2.70	0.261	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Potassium, Total	647		mg/kg	270	15.5	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Selenium, Total	1.51	J	mg/kg	2.16	0.278	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	1.08	0.305	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Sodium, Total	213	J	mg/kg	216	3.40	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	2.16	0.340	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Vanadium, Total	25.1		mg/kg	1.08	0.219	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS
Zinc, Total	170		mg/kg	5.40	0.316	2	08/04/21 21:11	08/05/21 12:28	EPA 3050B	1,6010D	PS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02
Client ID: LB16_EPSW01_N_7
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 11:42
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4670		mg/kg	10.7	2.90	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Antimony, Total	2.13	J	mg/kg	5.37	0.408	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Arsenic, Total	46.0		mg/kg	1.07	0.224	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Barium, Total	148		mg/kg	1.07	0.187	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Beryllium, Total	0.516	J	mg/kg	0.537	0.036	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Cadmium, Total	2.25		mg/kg	1.07	0.105	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Calcium, Total	18100		mg/kg	10.7	3.76	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Chromium, Total	8.92		mg/kg	1.07	0.103	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Cobalt, Total	11.5		mg/kg	2.15	0.178	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Copper, Total	157		mg/kg	1.07	0.277	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Iron, Total	24000		mg/kg	5.37	0.970	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Lead, Total	795		mg/kg	5.37	0.288	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Magnesium, Total	2750		mg/kg	10.7	1.66	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Manganese, Total	291		mg/kg	1.07	0.171	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Mercury, Total	0.202		mg/kg	0.094	0.061	1	08/04/21 22:12	08/05/21 14:25	EPA 7471B	1,7471B	OU
Nickel, Total	34.5		mg/kg	2.69	0.260	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Potassium, Total	530		mg/kg	269	15.5	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Selenium, Total	5.34		mg/kg	2.15	0.277	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Silver, Total	2.61		mg/kg	1.07	0.304	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Sodium, Total	150	J	mg/kg	215	3.38	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Thallium, Total	0.419	J	mg/kg	2.15	0.338	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Vanadium, Total	17.2		mg/kg	1.07	0.218	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS
Zinc, Total	762		mg/kg	5.37	0.315	2	08/04/21 21:11	08/05/21 13:24	EPA 3050B	1,6010D	PS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03
Client ID: LB16_EPSW02_E_7
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 11:44
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6930		mg/kg	11.6	3.13	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Antimony, Total	1.23	J	mg/kg	5.80	0.440	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Arsenic, Total	7.75		mg/kg	1.16	0.241	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Barium, Total	105		mg/kg	1.16	0.202	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Beryllium, Total	0.324	J	mg/kg	0.580	0.038	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Cadmium, Total	1.07	J	mg/kg	1.16	0.114	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Calcium, Total	3960		mg/kg	11.6	4.06	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Chromium, Total	25.5		mg/kg	1.16	0.111	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Cobalt, Total	7.24		mg/kg	2.32	0.192	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Copper, Total	102		mg/kg	1.16	0.299	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Iron, Total	25500		mg/kg	5.80	1.05	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Lead, Total	227		mg/kg	5.80	0.311	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Magnesium, Total	2200		mg/kg	11.6	1.78	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Manganese, Total	183		mg/kg	1.16	0.184	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Mercury, Total	0.672		mg/kg	0.100	0.065	1	08/04/21 22:12	08/05/21 14:28	EPA 7471B	1,7471B	OU
Nickel, Total	15.5		mg/kg	2.90	0.280	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Potassium, Total	887		mg/kg	290	16.7	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Selenium, Total	1.02	J	mg/kg	2.32	0.299	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	1.16	0.328	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Sodium, Total	55.3	J	mg/kg	232	3.65	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	2.32	0.365	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Vanadium, Total	31.1		mg/kg	1.16	0.235	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS
Zinc, Total	204		mg/kg	5.80	0.340	2	08/04/21 21:11	08/05/21 13:28	EPA 3050B	1,6010D	PS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04
Client ID: LB16_EPSW03_S_7
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 11:46
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2050		mg/kg	10.4	2.82	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Antimony, Total	1.00	J	mg/kg	5.22	0.396	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Arsenic, Total	23.8		mg/kg	1.04	0.217	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Barium, Total	126		mg/kg	1.04	0.181	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Beryllium, Total	0.448	J	mg/kg	0.522	0.034	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Cadmium, Total	0.490	J	mg/kg	1.04	0.102	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Calcium, Total	1660		mg/kg	10.4	3.65	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Chromium, Total	7.53		mg/kg	1.04	0.100	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Cobalt, Total	2.67		mg/kg	2.09	0.173	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Copper, Total	114		mg/kg	1.04	0.269	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Iron, Total	11500		mg/kg	5.22	0.942	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Lead, Total	301		mg/kg	5.22	0.280	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Magnesium, Total	243		mg/kg	10.4	1.61	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Manganese, Total	27.9		mg/kg	1.04	0.166	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Mercury, Total	0.245		mg/kg	0.087	0.057	1	08/04/21 22:12	08/05/21 14:32	EPA 7471B	1,7471B	OU
Nickel, Total	6.71		mg/kg	2.61	0.252	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Potassium, Total	205	J	mg/kg	261	15.0	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Selenium, Total	3.71		mg/kg	2.09	0.269	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	1.04	0.295	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Sodium, Total	60.3	J	mg/kg	209	3.28	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	2.09	0.328	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Vanadium, Total	8.31		mg/kg	1.04	0.212	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS
Zinc, Total	53.2		mg/kg	5.22	0.306	2	08/04/21 21:11	08/05/21 13:33	EPA 3050B	1,6010D	PS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-05
Client ID: LB16_EPSW04_W_7
Sample Location: BROOKLYN, NY
Date Collected: 08/03/21 11:48
Date Received: 08/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2400		mg/kg	10.4	2.82	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Antimony, Total	1.28	J	mg/kg	5.22	0.397	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Arsenic, Total	56.4		mg/kg	1.04	0.217	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Barium, Total	61.4		mg/kg	1.04	0.182	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Beryllium, Total	0.125	J	mg/kg	0.522	0.035	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Cadmium, Total	1.33		mg/kg	1.04	0.102	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Calcium, Total	3340		mg/kg	10.4	3.66	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Chromium, Total	8.26		mg/kg	1.04	0.100	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Cobalt, Total	14.2		mg/kg	2.09	0.173	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Copper, Total	117		mg/kg	1.04	0.270	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Iron, Total	29700		mg/kg	5.22	0.943	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Lead, Total	192		mg/kg	5.22	0.280	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Magnesium, Total	505		mg/kg	10.4	1.61	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Manganese, Total	950		mg/kg	1.04	0.166	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Mercury, Total	0.575		mg/kg	0.092	0.060	1	08/04/21 22:12	08/05/21 14:35	EPA 7471B	1,7471B	OU
Nickel, Total	24.9		mg/kg	2.61	0.253	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Potassium, Total	260	J	mg/kg	261	15.0	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Selenium, Total	4.49		mg/kg	2.09	0.270	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	1.04	0.296	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Sodium, Total	81.5	J	mg/kg	209	3.29	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	2.09	0.329	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Vanadium, Total	15.5		mg/kg	1.04	0.212	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS
Zinc, Total	159		mg/kg	5.22	0.306	2	08/04/21 21:11	08/05/21 13:37	EPA 3050B	1,6010D	PS

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2141428

Project Number: 170229024 **Report Date:** 08/11/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1531624-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Chromium, Total	0.128	J	mg/kg	0.400	0.038	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Iron, Total	0.680	J	mg/kg	2.00	0.361	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Potassium, Total	ND		mg/kg	100	5.76	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Sodium, Total	2.45	J	mg/kg	80.0	1.26	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Vanadium, Total	0.128	J	mg/kg	0.400	0.081	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/04/21 21:11	08/05/21 12:07	1,6010D	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1531626-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/04/21 22:12	08/05/21 13:11	1,7471B	OU

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1531624-2 SRM Lot Number: D109-540								
Aluminum, Total	57		-		50-150	-		
Antimony, Total	124		-		19-250	-		
Arsenic, Total	86		-		70-130	-		
Barium, Total	79		-		75-125	-		
Beryllium, Total	83		-		75-125	-		
Cadmium, Total	83		-		75-125	-		
Calcium, Total	79		-		73-128	-		
Chromium, Total	81		-		70-130	-		
Cobalt, Total	85		-		75-125	-		
Copper, Total	85		-		75-125	-		
Iron, Total	76		-		35-165	-		
Lead, Total	82		-		72-128	-		
Magnesium, Total	74		-		62-138	-		
Manganese, Total	82		-		74-126	-		
Nickel, Total	84		-		70-130	-		
Potassium, Total	73		-		59-141	-		
Selenium, Total	86		-		68-132	-		
Silver, Total	84		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	85		-		68-131	-		
Vanadium, Total	80		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1531624-2 SRM Lot Number: D109-540					
Zinc, Total	86	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1531626-2 SRM Lot Number: D109-540					
Mercury, Total	98	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531624-3 QC Sample: L2141428-01 Client ID: LB16_EPB01_9												
Aluminum, Total	16200	208	12100	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	51.9	44.9	86		-	-		75-125	-		20
Arsenic, Total	34.0	12.4	46.4	100		-	-		75-125	-		20
Barium, Total	74.2	208	234	77		-	-		75-125	-		20
Beryllium, Total	0.702	5.19	5.29	88		-	-		75-125	-		20
Cadmium, Total	8.96	5.5	15.7	122		-	-		75-125	-		20
Calcium, Total	10700	1040	6350	**0**	Q	-	-		75-125	-		20
Chromium, Total	16.8	20.8	31.6	**71**	Q	-	-		75-125	-		20
Cobalt, Total	11.6	51.9	58.3	90		-	-		75-125	-		20
Copper, Total	144	25.9	281	**528**	Q	-	-		75-125	-		20
Iron, Total	9820	104	9110	**0**	Q	-	-		75-125	-		20
Lead, Total	46.4	55	78.9	**59**	Q	-	-		75-125	-		20
Magnesium, Total	496	1040	1190	**67**	Q	-	-		75-125	-		20
Manganese, Total	59.4	51.9	80.2	**40**	Q	-	-		75-125	-		20
Nickel, Total	23.1	51.9	67.3	85		-	-		75-125	-		20
Potassium, Total	647	1040	1410	**74**	Q	-	-		75-125	-		20
Selenium, Total	1.51J	12.4	14.1	113		-	-		75-125	-		20
Silver, Total	ND	31.1	28.8	92		-	-		75-125	-		20
Sodium, Total	213J	1040	1130	109		-	-		75-125	-		20
Thallium, Total	ND	12.4	10.3	83		-	-		75-125	-		20
Vanadium, Total	25.1	51.9	67.0	81		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531624-3 QC Sample: L2141428-01 Client ID: LB16_EPB01_9										
Zinc, Total	170	51.9	209	75		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531626-3 QC Sample: L2141428-01 Client ID: LB16_EPB01_9										
Mercury, Total	0.072J	0.185	0.261	**141**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531624-4 QC Sample: L2141428-01 Client ID: LB16_EPB01_9						
Aluminum, Total	16200	12600	mg/kg	**25**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	34.0	24.7	mg/kg	**32**	Q	20
Barium, Total	74.2	64.8	mg/kg	14		20
Beryllium, Total	0.702	0.548	mg/kg	**25**	Q	20
Cadmium, Total	8.96	9.90	mg/kg	10		20
Calcium, Total	10700	7740	mg/kg	**32**	Q	20
Chromium, Total	16.8	14.1	mg/kg	17		20
Cobalt, Total	11.6	8.10	mg/kg	**36**	Q	20
Copper, Total	144	108	mg/kg	**29**	Q	20
Iron, Total	9820	6970	mg/kg	**34**	Q	20
Lead, Total	46.4	29.0	mg/kg	**46**	Q	20
Magnesium, Total	496	364	mg/kg	**31**	Q	20
Manganese, Total	59.4	32.7	mg/kg	**58**	Q	20
Nickel, Total	23.1	16.2	mg/kg	**35**	Q	20
Potassium, Total	647	466	mg/kg	**33**	Q	20
Selenium, Total	1.51J	1.18J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	213J	146J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531624-4 QC Sample: L2141428-01 Client ID: LB16_EPB01_9						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	25.1	19.9	mg/kg	**23**	Q	20
Zinc, Total	170	164	mg/kg	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531626-4 QC Sample: L2141428-01 Client ID: LB16_EPB01_9						
Mercury, Total	0.072J	0.130	mg/kg	NC		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2141428
Report Date: 08/11/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1531624-6 QC Sample: L2141428-01 Client ID: LB16_EPB01_9						
Aluminum, Total	16200	17600	mg/kg	9		20
Arsenic, Total	34.0	36.4	mg/kg	7		20
Barium, Total	74.2	79.9	mg/kg	8		20
Calcium, Total	10700	11700	mg/kg	9		20
Copper, Total	144	156	mg/kg	8		20
Iron, Total	9820	10600	mg/kg	8		20
Magnesium, Total	496	580	mg/kg	17		20
Manganese, Total	59.4	64.7	mg/kg	9		20
Zinc, Total	170	192	mg/kg	13		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-01
Client ID: LB16_EPB01_9
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/03/21 11:40
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.6		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-02
Client ID: LB16_EPSW01_N_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/03/21 11:42
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.2		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-03
Client ID: LB16_EPSW02_E_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/03/21 11:44
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.3		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-04
Client ID: LB16_EPSW03_S_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/03/21 11:46
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.9		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2141428
Report Date: 08/11/21

SAMPLE RESULTS

Lab ID: L2141428-05
Client ID: LB16_EPSW04_W_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/03/21 11:48
Date Received: 08/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.4		%	0.100	NA	1	-	08/04/21 11:41	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2141428

Report Date: 08/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1531453-1 QC Sample: L2141042-01 Client ID: DUP Sample						
Solids, Total	97.9	98.0	%	0		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2141428
Report Date: 08/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141428-01A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2141428-01B	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		NYTCL-8270(14),TS(7)
L2141428-02A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2141428-02B	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		NYTCL-8270(14),TS(7)
L2141428-03A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2141428-03B	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		NYTCL-8270(14),TS(7)
L2141428-04A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2141428-04B	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		NYTCL-8270(14),TS(7)
L2141428-05A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2141428-05B	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
Project Number:	170229024	**Report Date:**	08/11/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2141428
Project Number:	170229024	**Report Date:**	08/11/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 08/04/21

ALPHA Job #: L2141428

Client Information

Client: Langan DPC
Address: 360 W 31st Street
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOCs	TAL Metals	Total Bottle	Sample Specific Comments
41428-01	LB16_EPB01_9	8/3/2021	1140	Soil	YMD	X	X		
-02	LB16_EPSW01_N_7	8/3/2021	1142	Soil	YMD	X	X		
-03	LB16_EPSW02_E_7	8/3/2021	1144	Soil	YMD	X	X		
-04	LB16_EPSW03_S_7	8/3/2021	1146	Soil	YMD	X	X		
-05	LB16_EPSW04_W7	8/3/2021	1148	Soil	YMD	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	8/3/2021 1500	AAL	8/3/21 15:01
AAL	8/3/21 18:30	AAL	8/3/21 21:00
AAL	8/4/21 00:55		8/4/21 00:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2142762
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL ST
Project Number:	170229024
Report Date:	09/08/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2142762-01	LB22_EPB01_9.5	SOIL	BROOKLYN, NY	08/10/21 12:10	08/10/21
L2142762-02	LB17_EPB01_5	SOIL	BROOKLYN, NY	08/10/21 08:05	08/10/21
L2142762-03	LB17_EPSW01_N_5	SOIL	BROOKLYN, NY	08/10/21 08:15	08/10/21
L2142762-04	LB17_EPSW02_E_5	SOIL	BROOKLYN, NY	08/10/21 08:20	08/10/21
L2142762-05	LB17_EPSW03_S_5	SOIL	BROOKLYN, NY	08/10/21 08:30	08/10/21
L2142762-06	LB17_EPSW04_W_5	SOIL	BROOKLYN, NY	08/10/21 08:25	08/10/21

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

Case Narrative (continued)

Report Submission

September 08, 2021: This final report includes the results of all requested analyses.

August 30, 2021: This preliminary report includes the results of the TCLP Lead analysis performed on L2142762-05.

August 24, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The client IDs were specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/08/21

METALS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-01
Client ID: LB22_EPB01_9.5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 12:10
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	498		mg/kg	2.28	0.122	1	08/12/21 05:45	08/13/21 19:51	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-02
Client ID: LB17_EPB01_5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 08:05
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	184		mg/kg	2.14	0.115	1	08/12/21 05:45	08/13/21 19:56	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-03
Client ID: LB17_EPSW01_N_5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 08:15
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	75.4		mg/kg	2.18	0.117	1	08/12/21 05:45	08/13/21 20:01	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-04
Client ID: LB17_EPSW02_E_5
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Percent Solids: 87%

Date Collected: 08/10/21 08:20
Date Received: 08/10/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	193		mg/kg	2.25	0.120	1	08/12/21 05:45	08/13/21 20:07	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Lab Number: L2142762
Project Number: 170229024
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-05
Client ID: LB17_EPSW03_S_5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 08:30
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 08/26/21 21:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.329	J	mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 08:18	EPA 3015	1,6010D	SV

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-05
Client ID: LB17_EPSW03_S_5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 08:30
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	264		mg/kg	2.18	0.116	1	08/12/21 05:45	08/13/21 20:12	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-06
Client ID: LB17_EPSW04_W_5
Sample Location: BROOKLYN, NY
Date Collected: 08/10/21 08:25
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	227		mg/kg	2.22	0.119	1	08/12/21 05:45	08/13/21 20:17	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1533918-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	08/12/21 05:45	08/13/21 18:03	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 05 Batch: WG1540388-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 07:58	1,6010D	SV

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/26/21 21:47

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142762

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1533918-2 SRM Lot Number: D109-540								
Lead, Total	92		-		72-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 Batch: WG1540388-2								
Lead, TCLP	90		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1533918-3 QC Sample: L2142617-01 Client ID: MS Sample												
Lead, Total	132	48.3	78.0	**0**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1540388-3 QC Sample: L2142762-05 Client ID: LB17_EPSW03_S_5												
Lead, TCLP	0.329J	5.3	5.14	97		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142762

Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1533918-4 QC Sample: L2142617-01 Client ID: DUP Sample						
Lead, Total	132	54.5	mg/kg	**83**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1540388-4 QC Sample: L2142762-05 Client ID: LB17_EPSW03_S_5						
Lead, TCLP	0.329J	0.331J	mg/l	NC		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2142762
Report Date: 09/08/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1533918-6 QC Sample: L2142617-01 Client ID: DUP Sample						
Lead, Total	132	165	mg/kg	**25**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-01
Client ID: LB22_EPB01_9.5
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 12:10
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-02
Client ID: LB17_EPB01_5
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 08:05
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-03
Client ID: LB17_EPSW01_N_5
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 08:15
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-04
Client ID: LB17_EPSW02_E_5
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/10/21 08:20
Date Received: 08/10/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-05
Client ID: LB17_EPSW03_S_5
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 08:30
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2142762-06
Client ID: LB17_EPSW04_W_5
Sample Location: BROOKLYN, NY

Date Collected: 08/10/21 08:25
Date Received: 08/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	08/11/21 09:25	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2142762

Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1533754-1 QC Sample: L2142762-01 Client ID: LB22_EPB01_9.5						
Solids, Total	84.2	80.8	%	4		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2142762
Report Date: 09/08/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2142762-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-01B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2142762-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-02B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2142762-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-03B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2142762-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-04B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2142762-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-05B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2142762-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.8	Y	Absent		PB-CI(180)
L2142762-05X9	Tumble Vessel	A	NA		2.8	Y	Absent		-
L2142762-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		PB-TI(180)
L2142762-06B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-CONTINGENCY(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2142762
Project Number:	170229024	**Report Date:**	09/08/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/11/21

ALPHA Job # L2142762

Client Information
Client: LANGAN
Address: 360 W 31st St
NY NY 10001
Phone: 212 479 5400
Fax:
Email: WKIM@LANGAN.COM

Project Information
Project Name: 45 Commercial St
Project Location: Brooklyn, NY
Project # 170229024
(Use Project name as Project #) ☐
Project Manager: WOO KIM
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TCLP Lead	TAL Metals + Hg	Total Cyanide	Sample Specific Comments	Total Bottle
	~~EPB5-2~~ (CS)	~~8/10/21~~	~~1430~~	~~SO~~	~~CG~~	~~X~~	~~H~~	X		~~No total lead or TCLP Pb~~ (CS)	
42762 - 01	LB22_EPB01_9.5	8/10/21	1210	SO	CG	X	H			H = HOLD ANALYSIS	
-02	LB17_EPB01_7		905				H				
-03	LB17_EPSW01_N_7		815				H				
-04	LB17_EPSW02_E_7		920				H				
-05	LB17_EPSW03_S_7		930				H				
-06	LB17_EPSW04_W_7	↓	825	↓	↓	↓	H				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
CG/Langan	8/10/21 1500	[illegible] AAL	8/10/21 15:01
[illegible] AAL	8/10/21 18:45	[illegible] AAL	8/10/21 20:30
[illegible] AAL	8/10/21 00:45	[illegible]	8/4/21 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2143091
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/08/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143091
Report Date: 09/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2143091-01	LB22_SW01_N_6	SOIL	BROOKLYN, NY	08/11/21 10:50	08/11/21
L2143091-02	LB22_SW02_E_6	SOIL	BROOKLYN, NY	08/11/21 10:52	08/11/21
L2143091-03	LB22_SW03_S_6	SOIL	BROOKLYN, NY	08/11/21 10:54	08/11/21
L2143091-04	LB22_SW04_W_6	SOIL	BROOKLYN, NY	08/11/21 10:56	08/11/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

Case Narrative (continued)

Report Submission

September 08, 2021: This final report includes the results of all requested analyses.

August 30, 2021: This preliminary report includes the results of the TCLP Metals analysis performed on L2143091-03.

August 17, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/08/21

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2143091
Project Number: 170229024
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-01
Client ID: LB22_SW01_N_6
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 10:50
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	351		mg/kg	2.26	0.121	1	08/12/21 22:18	08/13/21 14:56	EPA 3050B	1,6010D	JC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-02
Client ID: LB22_SW02_E_6
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 10:52
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	25.8		mg/kg	2.32	0.124	1	08/12/21 22:18	08/13/21 15:00	EPA 3050B	1,6010D	JC

Project Name: 45 COMMERCIAL STREET
Lab Number: L2143091
Project Number: 170229024
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-03
Client ID: LB22_SW03_S_6
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 10:54
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%
TCLP/SPLP Ext. Date: 08/26/21 21:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	87.9		mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 08:06	EPA 3015	1,6010D	SV

Project Name: 45 COMMERCIAL STREET
Lab Number: L2143091
Project Number: 170229024
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-03
Client ID: LB22_SW03_S_6
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 10:54
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	1060		mg/kg	2.26	0.121	1	08/12/21 22:18	08/13/21 15:04	EPA 3050B	1,6010D	JC

Project Name: 45 COMMERCIAL STREET
Lab Number: L2143091
Project Number: 170229024
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-04
Client ID: LB22_SW04_W_6
Sample Location: BROOKLYN, NY
Date Collected: 08/11/21 10:56
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	619		mg/kg	2.18	0.117	1	08/12/21 22:18	08/13/21 15:09	EPA 3050B	1,6010D	JC

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1534535-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	08/12/21 22:18	08/13/21 11:42	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03 Batch: WG1540388-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 07:58	1,6010D	SV

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/26/21 21:47

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143091

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1534535-2 SRM Lot Number: D109-540								
Lead, Total	100		-		72-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 Batch: WG1540388-2								
Lead, TCLP	90		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143091
Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1534535-3 QC Sample: L2142368-06 Client ID: MS Sample												
Lead, Total	21.4	44.6	55.0	75		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1540388-3 QC Sample: L2142762-05 Client ID: MS Sample												
Lead, TCLP	0.329J	5.3	5.14	97		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143091
Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1534535-4 QC Sample: L2142368-06 Client ID: DUP Sample						
Lead, Total	21.4	24.5	mg/kg	14		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1540388-4 QC Sample: L2142762-05 Client ID: DUP Sample						
Lead, TCLP	0.329J	0.331J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-01
Client ID: LB22_SW01_N_6
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/11/21 10:50
Date Received: 08/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	08/12/21 12:48	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-02
Client ID: LB22_SW02_E_6
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/11/21 10:52
Date Received: 08/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	08/12/21 12:48	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-03
Client ID: LB22_SW03_S_6
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/11/21 10:54
Date Received: 08/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	08/12/21 12:48	121,2540G	RI

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2143091
Report Date: 09/08/21

SAMPLE RESULTS

Lab ID: L2143091-04
Client ID: LB22_SW04_W_6
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/11/21 10:56
Date Received: 08/11/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	08/12/21 12:48	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2143091

Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1534377-1 QC Sample: L2143055-01 Client ID: DUP Sample						
Solids, Total	91.4	91.2	%	0		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2143091
Report Date: 09/08/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143091-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		PB-TI(180)
L2143091-01B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143091-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		PB-TI(180)
L2143091-02B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143091-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		PB-TI(180)
L2143091-03B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143091-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.4	Y	Absent		PB-CI(180)
L2143091-03X9	Tumble Vessel	A	NA		3.4	Y	Absent		-
L2143091-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		PB-TI(180)
L2143091-04B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		HOLD-CONTINGENCY(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2143091
Project Number:	170229024	**Report Date:**	09/08/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/12/21

ALPHA Job #: L2143091

Client Information

Client: Langan
Address: 360 W 31st St
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@langan.com

Project Information

Project Name: 45 Commercial Street
Project Location: Brooklyn, NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TCLP Lead	Total Bottle	Sample Specific Comments
43091-01	LB22_SW01_N_6	8/11/2021	1050	Soil	YMD	X	H		
-02	LB22_SW02_E_6	8/11/2021	1052	Soil	YMD	X	H		H = Hold Analysis
-03	LB22_SW03_S_6	8/11/2021	1054	Soil	YMD	X	H		
-04	LB22_SW04_W_6	8/11/2021	1056	Soil	YMD	X	H		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Langan	8/11/2021 15:20	WASHINGTON AAL	8/11/21 15:20
WASHINGTON	8/11/21 19:10		8/11/21 2000
	8/12/21 0030		8/12/21 00:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2143849
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL ST
Project Number:	170229024
Report Date:	09/07/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2143849-01	LB18_EPB01_7	SOIL	BROOKLYN, NY	08/16/21 11:55	08/16/21
L2143849-02	LB18_EPSW01_N_7	SOIL	BROOKLYN, NY	08/16/21 11:58	08/16/21
L2143849-03	LB18_EPSW02_E_7	SOIL	BROOKLYN, NY	08/16/21 12:00	08/16/21
L2143849-04	LB18_EPSW03_S_7	SOIL	BROOKLYN, NY	08/16/21 12:03	08/16/21
L2143849-05	LB18_EPSW04_W_7	SOIL	BROOKLYN, NY	08/16/21 12:05	08/16/21

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

Case Narrative (continued)

Report Submission

September 07, 2021: This final report includes the results of all requested analyses.

August 30, 2021: This preliminary report includes the results of the TCLP Metals analysis performed on L2143849-04.

August 23, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/07/21

METALS

Project Name: 45 COMMERCIAL ST
Lab Number: L2143849
Project Number: 170229024
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-01
Client ID: LB18_EPB01_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 11:55
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	26.3		mg/kg	2.30	0.123	1	08/17/21 13:40	08/17/21 17:26	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Lab Number: L2143849
Project Number: 170229024
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-02
Client ID: LB18_EPSW01_N_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 11:58
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	14.9		mg/kg	2.33	0.125	1	08/17/21 13:40	08/17/21 17:30	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-03
Client ID: LB18_EPSW02_E_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 12:00
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	12.7		mg/kg	2.36	0.126	1	08/17/21 13:40	08/17/21 18:11	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Lab Number: L2143849
Project Number: 170229024
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-04
Client ID: LB18_EPSW03_S_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 12:03
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%
TCLP/SPLP Ext. Date: 08/26/21 21:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.172	J	mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 08:10	EPA 3015	1,6010D	SV

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-04
Client ID: LB18_EPSW03_S_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 12:03
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	115		mg/kg	2.33	0.125	1	08/17/21 13:40	08/17/21 18:16	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-05
Client ID: LB18_EPSW04_W_7
Sample Location: BROOKLYN, NY
Date Collected: 08/16/21 12:05
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	20.8		mg/kg	2.31	0.124	1	08/17/21 13:40	08/17/21 18:21	EPA 3050B	1,6010D	DL

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1535915-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	08/17/21 13:40	08/17/21 16:00	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04 Batch: WG1540388-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/29/21 12:17	08/30/21 07:58	1,6010D	SV

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/26/21 21:47

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2143849

Report Date: 09/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1535915-2 SRM Lot Number: D109-540								
Lead, Total	93		-		72-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04 Batch: WG1540388-2								
Lead, TCLP	90		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1535915-3 QC Sample: L2143859-17 Client ID: MS Sample												
Lead, Total	156	45.6	111	**0**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1540388-3 QC Sample: L2142762-05 Client ID: MS Sample												
Lead, TCLP	0.329J	5.3	5.14	97		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1535915-4 QC Sample: L2143859-17 Client ID: DUP Sample						
Lead, Total	156	70.2	mg/kg	**76**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1540388-4 QC Sample: L2142762-05 Client ID: DUP Sample						
Lead, TCLP	0.329J	0.331J	mg/l	NC		20

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2143849
Report Date: 09/07/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1535915-6 QC Sample: L2143859-17 Client ID: DUP Sample						
Lead, Total	156	181	mg/kg	16		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-01
Client ID: LB18_EPB01_7
Sample Location: BROOKLYN, NY

Date Collected: 08/16/21 11:55
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	08/17/21 09:44	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-02
Client ID: LB18_EPSW01_N_7
Sample Location: BROOKLYN, NY

Date Collected: 08/16/21 11:58
Date Received: 08/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	08/17/21 09:44	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-03
Client ID: LB18_EPSW02_E_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/16/21 12:00
Date Received: 08/16/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	08/17/21 09:44	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-04
Client ID: LB18_EPSW03_S_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/16/21 12:03
Date Received: 08/16/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	08/17/21 09:44	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2143849
Report Date: 09/07/21

SAMPLE RESULTS

Lab ID: L2143849-05
Client ID: LB18_EPSW04_W_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/16/21 12:05
Date Received: 08/16/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	08/17/21 09:44	121,2540G	RI

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2143849
Report Date: 09/07/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143849-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		PB-TI(180)
L2143849-01B	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143849-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		PB-TI(180)
L2143849-02B	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143849-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		PB-TI(180)
L2143849-03B	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143849-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		PB-TI(180)
L2143849-04B	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		HOLD-CONTINGENCY(14),TS(7)
L2143849-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		PB-CI(180)
L2143849-04X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2143849-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		PB-TI(180)
L2143849-05B	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		HOLD-CONTINGENCY(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2143849
Project Number:	170229024	**Report Date:**	09/07/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/16/21

ALPHA Job #: L2143849

Client Information

Client: Langan DPC
Address: 360 W. 31st St, 8th Fl
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information

Project Name: 45 Commercial St
Project Location: Brooklyn NY
Project #: 170229024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TCLP Lead	Total Bottle	Sample Specific Comments
43849-01	LB18_EPB01_7	8-16-21	11:55	S	[illegible]	X	H		H is for
-02	LB18_EPSW01_N_7	↓	11:58	↓	↓	X	H		Hold
-03	LB18_EPSW02_E_7		12:00			X	H		
-04	LB18_EPSW03_S_7		12:03			X	H		
-05	LB18_EPSW04_W_7		12:05			X	H		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/16/2021 1400	[illegible]	8/16/21 1400
[illegible]	8/16/21 1550	[illegible]	8/16/21 17:20
[illegible] (AAC)	8/16/21	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	8/16/21 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2149996
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	09/30/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149996
Report Date: 09/30/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2149996-01	LB22_SW03_S_A_6	SOIL	BROOKLYN, NY	09/16/21 10:00	09/16/21
L2149996-02	LB22_SW03_S_B_6	SOIL	BROOKLYN, NY	09/16/21 10:02	09/16/21
L2149996-03	LB22_SW03_S_C_6	SOIL	BROOKLYN, NY	09/16/21 10:04	09/16/21
L2149996-04	LB22_SW03_S_D_6	SOIL	BROOKLYN, NY	09/16/21 10:05	09/16/21
L2149996-05	LB22_SW03_S_E_6	SOIL	BROOKLYN, NY	09/16/21 10:08	09/16/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

Case Narrative (continued)

Report Submission

September 30, 2021: This final report includes the results of all requested analyses.

September 23, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/30/21

METALS

Project Name: 45 COMMERCIAL STREET
Lab Number: L2149996
Project Number: 170229024
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2149996-01
Client ID: LB22_SW03_S_A_6
Sample Location: BROOKLYN, NY
Date Collected: 09/16/21 10:00
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 09/17/21 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.840		mg/l	0.500	0.027	1	09/21/21 08:35	09/21/21 21:50	EPA 3015	1,6010D	MP

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149996
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2149996-01
Client ID: LB22_SW03_S_A_6
Sample Location: BROOKLYN, NY
Date Collected: 09/16/21 10:00
Date Received: 09/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	172		mg/kg	2.20	0.118	1	09/21/21 08:20	09/23/21 13:06	EPA 3050B	1,6010D	GD

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149996
Report Date: 09/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1548531-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	09/21/21 08:20	09/23/21 10:34	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1548713-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	09/21/21 08:35	09/21/21 21:33	1,6010D	MP

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/16/21 04:37

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149996

Report Date: 09/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1548531-2 SRM Lot Number: D109-540								
Lead, Total	88		-		72-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1548713-2								
Lead, TCLP	104		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149996
Report Date: 09/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1548531-3 QC Sample: L2149955-01 Client ID: MS Sample												
Lead, Total	159	47.8	175	**34**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1548713-3 QC Sample: L2149996-01 Client ID: LB22_SW03_S_A_6												
Lead, TCLP	0.840	5.3	6.21	101		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149996

Report Date: 09/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1548531-4 QC Sample: L2149955-01 Client ID: DUP Sample						
Lead, Total	159	140	mg/kg	13		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1548713-4 QC Sample: L2149996-01 Client ID: LB22_SW03_S_A_6						
Lead, TCLP	0.840	0.843	mg/l	0		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2149996
Report Date: 09/30/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1548531-6 QC Sample: L2149955-01 Client ID: DUP Sample						
Lead, Total	159	171	mg/kg	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2149996
Report Date: 09/30/21

SAMPLE RESULTS

Lab ID: L2149996-01
Client ID: LB22_SW03_S_A_6
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/16/21 10:00
Date Received: 09/16/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	09/17/21 13:04	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2149996

Report Date: 09/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1547710-1 QC Sample: L2146526-07 Client ID: DUP Sample						
Solids, Total	78.2	80.9	%	3		20

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2149996
Report Date: 09/30/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2149996-01A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		PB-TI(180)
L2149996-01B	Glass 250ml/8oz unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2149996-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.2	Y	Absent		PB-CI(180)
L2149996-01X9	Tumble Vessel	B	NA		3.2	Y	Absent		-
L2149996-02A	Glass 60mL/2oz unpreserved	A	NA		5.7	Y	Absent		HOLD-METAL(180)
L2149996-02B	Glass 250ml/8oz unpreserved	A	NA		5.7	Y	Absent		HOLD-CONTINGENCY(14),HOLD-WETCHEM()
L2149996-03A	Glass 60mL/2oz unpreserved	A	NA		5.7	Y	Absent		HOLD-METAL(180)
L2149996-03B	Glass 250ml/8oz unpreserved	A	NA		5.7	Y	Absent		HOLD-CONTINGENCY(14),HOLD-WETCHEM()
L2149996-04A	Glass 60mL/2oz unpreserved	A	NA		5.7	Y	Absent		HOLD-METAL(180)
L2149996-04B	Glass 250ml/8oz unpreserved	A	NA		5.7	Y	Absent		HOLD-CONTINGENCY(14),HOLD-WETCHEM()
L2149996-05A	Glass 60mL/2oz unpreserved	A	NA		5.7	Y	Absent		HOLD-METAL(180)
L2149996-05B	Glass 250ml/8oz unpreserved	A	NA		5.7	Y	Absent		HOLD-CONTINGENCY(14),HOLD-WETCHEM()

Container Comments

L2149996-02A Time on container "10:00"

*Values in parentheses indicate holding time in days

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2149996
Project Number:	170229024	**Report Date:**	09/30/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/16/21

ALPHA Job #: L2149996

Client Information
Client: Langan
Address: 360 W 31st Street, New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project #: 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TCLP Lead	Total Bottle	Sample Specific Comments
49996-01	LB22_SW03_S-A-6	9/16/2021	10:00	Soil	YMD	X	X		
-02	LB22_SW03_S-B-6	"	10:02	"	"	H	H		H for Hold
-03	LB22_SW03_S-C-6	"	10:04	"	"	H	H		
-04	LB22_SW03_S-D-6	"	10:05	"	"	H	H		
-05	LB22_SW03_S-E-6	"	10:08	"	"	H	H		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16/21 1400		9/16/21 14:00
Paul Mezzella	9/16/21 17:30	Paul Mezzella	9/16/21 1745
Paul Mezzella	9/16/21 2200		9/16/21 2200

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2150922
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL ST
Project Number:	170229024
Report Date:	09/27/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2150922
Report Date: 09/27/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2150922-01	LB18_EPSW02_E_7	SOIL	BROOKLYN, NY	09/21/21 09:30	09/21/21
L2150922-02	PFB11_092121	WATER	BROOKLYN, NY	09/21/21 13:20	09/21/21

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2150922
Project Number:	170229024	**Report Date:**	09/27/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 09/27/21

ORGANICS

SEMIVOLATILES

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2150922-01
Client ID: LB18_EPSW02_E_7
Sample Location: BROOKLYN, NY

Date Collected: 09/21/21 09:30
Date Received: 09/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/21 11:11
Analyst: HT
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 19:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.043	J	ng/g	0.536	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.349	J	ng/g	0.536	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.268	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.138	J	ng/g	0.536	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.054	J	ng/g	0.268	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.268	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.268	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.536	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.536	0.146	1
Perfluorononanoic Acid (PFNA)	0.363		ng/g	0.268	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.255	J	ng/g	0.268	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.268	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.536	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.536	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.536	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.536	0.164	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.536	0.105	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.536	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.536	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.536	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.536	0.058	1
PFOA/PFOS, Total	0.255	J	ng/g	0.268	0.045	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2150922-01
Client ID: LB18_EPSW02_E_7
Sample Location: BROOKLYN, NY
Date Collected: 09/21/21 09:30
Date Received: 09/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2150922-02
Client ID: PFB11_092121
Sample Location: BROOKLYN, NY

Date Collected: 09/21/21 13:20
Date Received: 09/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/21 02:19
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.365	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.79	0.355	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.337	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.79	0.451	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.580	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.878	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.519	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.720	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	ND		ng/l	1.79	0.211	1

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2150922-02
Client ID: PFB11_092121
Sample Location: BROOKLYN, NY
Date Collected: 09/21/21 13:20
Date Received: 09/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	106		22-136

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/21 23:00
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 16:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1550090-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/21 23:00
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 16:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1550090-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105		22-136

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/21 07:19
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1550102-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/21 07:19
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1550102-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		24-159

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/26/21 10:20
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/23/21 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1550102-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1550090-2								
Perfluorobutanoic Acid (PFBA)	91		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	90		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	90		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	92		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	90		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	93		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	89		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	90		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	90		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	88		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	89		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	81		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	97		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	93		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	84		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	93		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	104		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	90		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1550090-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2150922
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1550102-2								
Perfluorobutanoic Acid (PFBA)	97		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	101		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	90		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	101		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	99		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	105		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	97		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	90		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	109		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2150922
Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1550102-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1550102-2								
Perfluorooctanesulfonamide (FOSA)	114		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1550090-3 WG1550090-4 QC Sample: L2150686-06 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	2.21	34.3	36.9	101		37.6	103		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	0.973J	34.3	35.6	101		36.0	102		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	2.13	30.5	32.8	101		33.8	104		65-157	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	32.1	32.3	101		34.5	107		37-219	7		30
Perfluorohexanoic Acid (PFHxA)	0.830J	34.3	36.0	103		36.0	102		69-168	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	32.2	30.6	95		33.4	103		52-156	9		30
Perfluoroheptanoic Acid (PFHpA)	0.994J	34.3	36.0	102		35.7	101		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	0.795J	31.4	32.0	100		33.8	105		69-177	5		30
Perfluorooctanoic Acid (PFOA)	4.97	34.3	40.9	105		41.2	106		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	32.7	30.9	95		31.3	96		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	32.7	33.3	102		34.6	106		61-179	4		30
Perfluorononanoic Acid (PFNA)	ND	34.3	36.0	105		35.2	103		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	4.56	31.8	34.8	95		35.0	96		52-151	1		30
Perfluorodecanoic Acid (PFDA)	ND	34.3	33.1	96		34.6	101		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	32.9	32.6	99		30.3	92		56-173	7		30
Perfluorononanesulfonic Acid (PFNS)	ND	33	31.1	94		31.2	94		48-150	0		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	34.3	34.8	101		30.3F	88		60-166	14		30
Perfluoroundecanoic Acid (PFUnA)	ND	34.3	32.4	94		33.8	98		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	33.1	28.4	86		29.1	88		38-156	2		30
Perfluorooctanesulfonamide (FOSA)	ND	34.3	30.8	90		32.1	94		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	34.3	30.1	88		28.2	82		45-170	7		30
Perfluorododecanoic Acid (PFDoA)	ND	34.3	30.4	89		30.5	89		67-153	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1550090-3 WG1550090-4 QC Sample: L2150686-06 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	34.3	34.8	101		36.1	105		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	34.3	33.2	97		33.6	98		59-182	1		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		86		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	115		115		12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		90		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		62		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		55		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		82		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		78		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		78		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		102		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		94		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		82		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		88		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		15		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		109		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		79		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		82		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		111		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1550102-3 WG1550102-4 QC Sample: L2151383-25 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.089J	5.18	5.19	98		5.25	99		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	0.135J	5.18	5.22	98		5.29	98		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	0.043J	4.6	4.52	97		4.67	100		72-128	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.85	5.13	106		5.02	102		62-145	2		30
Perfluorohexanoic Acid (PFHxA)	0.134J	5.18	5.44	102		5.42	101		70-132	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.87	4.51	93		4.67	95		73-123	3		30
Perfluoroheptanoic Acid (PFHpA)	0.105J	5.18	5.20	98		5.27	99		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.74	4.63	98		4.84	101		67-130	4		30
Perfluorooctanoic Acid (PFOA)	0.257J	5.18	5.62	103		5.80	106		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.93	4.54	92		4.73	95		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.93	5.04	102		4.86	97		70-132	4		30
Perfluorononanoic Acid (PFNA)	0.110J	5.18	5.38	102		5.50	103		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	0.456	4.81	5.20	99		5.34	100		68-136	3		30
Perfluorodecanoic Acid (PFDA)	0.123J	5.18	5.26	99		5.55	104		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.97	4.70	95		4.68	93		65-137	0		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.98	5.18	104		5.41	107		69-125	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.18	4.65F	90		4.92F	94		63-144	6		30
Perfluoroundecanoic Acid (PFUnA)	0.124J	5.18	5.30	100		5.71	107		64-136	7		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5	4.60	92		4.45	88		59-134	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.18	5.50	106		5.62	107		61-139	2		30
Perfluorododecanoic Acid (PFDoA)	0.116JF	5.18	5.12	97		5.44	102		69-135	6		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.18	5.52	107		5.94	113		66-139	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1550102-3 WG1550102-4 QC Sample: L2151383-25 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	0.070J	5.18	5.25	100		5.25	99		69-133	0		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	102		98		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	65		63		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		85		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		74		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		81		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		89		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		93		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		91		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		93		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		94		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		97		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		90		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		94		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		95		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1550102-3 WG1550102-4 QC Sample: L2151383-25 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.18	6.06	117		6.05	115		67-137	0		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		62		10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1550102-5 WG1550102-6 QC Sample: L2150701-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.23	5.08	97		4.99	97		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.23	5.10	98		4.99	97		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.64	4.48	97		4.39	96		72-128	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.89	4.99	102		4.60	96		62-145	8		30
Perfluorohexanoic Acid (PFHxA)	ND	5.23	5.18	99		5.13	100		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.91	4.38	89		4.55	94		73-123	4		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.23	5.21	100		5.09	99		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.78	4.48	94		4.66	99		67-130	4		30
Perfluorooctanoic Acid (PFOA)	ND	5.23	5.44	104		5.36	104		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.98	4.74	95		4.52	92		64-140	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.98	4.41	89		4.66	95		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	5.23	5.36	103		5.25	102		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.85	4.76	98		4.72	99		68-136	1		30
Perfluorodecanoic Acid (PFDA)	ND	5.23	5.43	104		5.23	102		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.02	5.08	101		4.96	100		65-137	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.03	5.05	100		4.97	100		69-125	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.23	5.17F	99		5.76F	112		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.23	5.17	99		5.22	102		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.04	4.62	92		4.58	92		59-134	1		30
Perfluorooctanesulfonamide (FOSA)	ND	5.23	4.91	94		4.74	92		67-137	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.23	5.19	99		6.24	121		61-139	18		30
Perfluorododecanoic Acid (PFDoA)	ND	5.23	5.10	98		4.80	93		69-135	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1550102-5 WG1550102-6 QC Sample: L2150701-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.23	6.01	115		5.59	109		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.23	5.25	100		5.02	98		69-133	4		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89		85		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	55		53		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76		76		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		49		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		50		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		84		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		84		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		86		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		64		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		90		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		26		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		90		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		82		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		85		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		90		74-139

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

SAMPLE RESULTS

Lab ID: L2150922-01
Client ID: LB18_EPSW02_E_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/21/21 09:30
Date Received: 09/21/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.1		%	0.100	0.100	1	-	09/23/21 12:30	121,2540G	BP

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL ST

Project Number: 170229024

Lab Number: L2150922

Report Date: 09/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1549995-1 QC Sample: L2151007-03 Client ID: DUP Sample						
Solids, Total	61.4	61.6	%	0		10

Project Name: 45 COMMERCIAL ST
Project Number: 170229024

Lab Number: L2150922
Report Date: 09/27/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2150922-01A	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2150922-01B	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		A2-TS(7)
L2150922-02A	Plastic 250ml unpreserved	A	NA		2.0	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL ST
Project Number: 170229024
Lab Number: L2150922
Report Date: 09/27/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2150922
Project Number:	170229024	**Report Date:**	09/27/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2150922
Project Number:	170229024	**Report Date:**	09/27/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL ST	**Lab Number:**	L2150922
Project Number:	170229024	**Report Date:**	09/27/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

NEW YORK CHAIN OF CUSTODY
Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/22/21

ALPHA Job #: L2150922

Client Information
Client: Langan DPC
Address: 360 W. 31st - 8th Fl
New York NY 10001
Phone: 212 - 479-5400
Fax: 212 - 479-5444
Email: wkim@langan.com

Project Information
Project Name: 45 commercial st
Project Location: Brooklyn NY
Project # 17022 9024
(Use Project name as Project #) ☐
Project Manager: Woo KIM
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	~~PFAS~~ PFAS Ymd								Sample Specific Comments	Total Bottle
50922-01	LB18-EPSW02_E_7	9/21/21	0930	Soil	YMD	X									
-02	PF B11_092121	↓	1320	AQ	↓	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] of Langan	9/21/21 1456	[signature]	9/21/21 1456
[signature]	9/21/21 1810	Paul Maggella	9/21/21 1930
Paul Maggella	9/22/21 0013	[signature]	9/22/21 0083
Wendy [signature]	9/22/21 4:00	T. Hurtle	9/22/21 0415
T. Hurtle	9/22/21 0545	[signature]	9/22/21 0545

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166484
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	45 COMMERCIAL STREET
Project Number:	170229024
Report Date:	12/16/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166484-01	LB18_EPSW03_S-7	SOIL	BROOKLYN, NY	12/02/21 16:00	12/03/21
L2166484-02	LB18_EPSW04_W-7	SOIL	BROOKLYN, NY	12/02/21 16:02	12/03/21
L2166484-03	LB18_EPSW01_N-7	SOIL	BROOKLYN, NY	12/02/21 16:04	12/03/21
L2166484-04	LB18_EPSB01_7	SOIL	BROOKLYN, NY	12/02/21 16:06	12/03/21
L2166484-05	PFB21_120221	WATER	BROOKLYN, NY	12/02/21 17:20	12/03/21

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 12/16/21

ORGANICS

SEMIVOLATILES

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-01
Client ID: LB18_EPSW03_S-7
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 21:21
Analyst: MP
Percent Solids: 60%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.810	0.037	1
Perfluoropentanoic Acid (PFPeA)	0.100	J	ng/g	0.810	0.075	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.405	0.063	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.810	0.085	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.405	0.073	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.405	0.098	1
Perfluorooctanoic Acid (PFOA)	0.425		ng/g	0.405	0.068	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.810	0.291	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.810	0.221	1
Perfluorononanoic Acid (PFNA)	0.146	J	ng/g	0.405	0.121	1
Perfluorooctanesulfonic Acid (PFOS)	1.13		ng/g	0.405	0.210	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.405	0.108	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.810	0.465	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.810	0.326	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.810	0.076	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.810	0.248	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.810	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.810	0.137	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.810	0.113	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.810	0.331	1
Perfluorotetradecanoic Acid (PFTA)	0.096	J	ng/g	0.810	0.087	1
PFOA/PFOS, Total	1.56		ng/g	0.405	0.068	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166484

Project Number: 170229024 **Report Date:** 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-01 Date Collected: 12/02/21 16:00

Client ID: LB18_EPSW03_S-7 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-02
Client ID: LB18_EPSW04_W-7
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:02
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 21:38
Analyst: MP
Percent Solids: 81%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.068	J	ng/g	0.594	0.027	1
Perfluoropentanoic Acid (PFPeA)	0.664		ng/g	0.594	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.297	0.046	1
Perfluorohexanoic Acid (PFHxA)	0.552	J	ng/g	0.594	0.062	1
Perfluoroheptanoic Acid (PFHpA)	0.342		ng/g	0.297	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	0.102	J	ng/g	0.297	0.072	1
Perfluorooctanoic Acid (PFOA)	1.18		ng/g	0.297	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.594	0.213	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.594	0.162	1
Perfluorononanoic Acid (PFNA)	0.521		ng/g	0.297	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	2.72		ng/g	0.297	0.154	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.297	0.080	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.594	0.341	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.594	0.239	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.594	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.594	0.182	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.594	0.116	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.594	0.100	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.594	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.594	0.243	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.594	0.064	1
PFOA/PFOS, Total	3.90		ng/g	0.297	0.050	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166484

Project Number: 170229024 **Report Date:** 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-02 Date Collected: 12/02/21 16:02

Client ID: LB18_EPSW04_W-7 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-03
Client ID: LB18_EPSW01_N-7
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:04
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 21:54
Analyst: MP
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.556	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.556	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.278	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.556	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.278	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.278	0.067	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.278	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.556	0.200	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.556	0.152	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.278	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	0.334		ng/g	0.278	0.145	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.278	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.556	0.319	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.556	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.556	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.556	0.170	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.556	0.109	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.556	0.094	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.556	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.556	0.228	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.556	0.060	1
PFOA/PFOS, Total	0.334		ng/g	0.278	0.047	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166484

Project Number: 170229024 **Report Date:** 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-03 Date Collected: 12/02/21 16:04

Client ID: LB18_EPSW01_N-7 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	46		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-04
Client ID: LB18_EPSB01_7
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 16:06
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 22:11
Analyst: MP
Percent Solids: 78%

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.582	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.582	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.291	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.582	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.291	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.291	0.071	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.291	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.582	0.209	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.582	0.159	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.291	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	0.550		ng/g	0.291	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.291	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.582	0.334	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.582	0.235	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.582	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.582	0.178	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.582	0.114	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.582	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.582	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.582	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.582	0.063	1
PFOA/PFOS, Total	0.550		ng/g	0.291	0.049	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166484

Project Number: 170229024 **Report Date:** 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-04 Date Collected: 12/02/21 16:06

Client ID: LB18_EPSB01_7 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-05
Client ID: PFB21_120221
Sample Location: BROOKLYN, NY

Date Collected: 12/02/21 17:20
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/11/21 14:30
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	0.388	J	ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.872	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	ND		ng/l	1.78	0.210	1

Project Name: 45 COMMERCIAL STREET **Lab Number:** L2166484

Project Number: 170229024 **Report Date:** 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-05 Date Collected: 12/02/21 17:20

Client ID: PFB21_120221 Date Received: 12/03/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 19:58
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1579535-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/15/21 19:58
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 12/06/21 11:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1579535-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/08/21 20:11
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1580520-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/08/21 20:11
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 12/08/21 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1580520-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	114		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579535-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	96		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	105		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	96		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1579535-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1580520-2								
Perfluorobutanoic Acid (PFBA)	97		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	99		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	101		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	117		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	95		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	94		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1580520-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	144				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	138				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579535-3 WG1579535-4 QC Sample: L2166485-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.050J	6.94	6.50	93		6.21	91		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	ND	6.94	6.49	94		6.38	95		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	6.16	5.84	95		5.53	92		72-128	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.5	6.37	98		6.39	101		62-145	0		30
Perfluorohexanoic Acid (PFHxA)	ND	6.94	6.61	95		6.53	97		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	6.52	5.96	91		5.82	92		73-123	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	6.94	6.57	95		6.41	95		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	6.34	6.68	105		6.52	106		67-130	2		30
Perfluorooctanoic Acid (PFOA)	0.482	6.94	7.06	95		6.88	95		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.61	6.15	93		6.00	93		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	6.61	6.50	98		6.53	102		70-132	0		30
Perfluorononanoic Acid (PFNA)	0.158J	6.94	6.77	95		6.53	94		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	2.33	6.44	9.25	107		8.93	105		68-136	4		30
Perfluorodecanoic Acid (PFDA)	0.135J	6.94	6.76	95		6.48	94		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.66	6.67	100		6.74	104		65-137	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	6.68	6.70	100		6.95	107		69-125	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.94	6.13	88		6.28	93		63-144	2		30
Perfluoroundecanoic Acid (PFUnA)	0.069J	6.94	6.78	97		6.66	98		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	6.69	6.83	102		6.42	99		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	ND	6.94	6.71	97		6.37	94		67-137	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.94	6.50	94		7.13	106		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	ND	6.94	6.88	99		6.64	98		69-135	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1579535-3 WG1579535-4 QC Sample: L2166485-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	6.94	7.25	104		6.74	100		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	0.083J	6.94	6.88	98		6.64	97		69-133	4		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85		86		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	49		43		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		67		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		49		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		40		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		77		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**72**	Q	**73**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**64**	Q	**64**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**68**	Q	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		79		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		75		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	70		70		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		72		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	58		57		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**76**	Q	**77**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**71**	Q	**70**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		72		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		76		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	207	37.5	225	**48**	Q	-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	599	37.5	588	**0**	Q	-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	2.68	33.3	33.7	93		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.1	34.2	97		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	826	37.5	779	**0**	Q	-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	1.77J	35.2	30.3	81		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	2100E	37.5	1980E	**0**	Q	-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	44.0	34.3	72.3	83		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	6020E	37.5	5760E	**0**	Q	-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	91.4	35.7	117	72		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	36.0	35.7	66.6	86		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	147	37.5	184	99		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	520FE	34.8	506F	**0**	Q	-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	3.77	37.5	36.8	88		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	4.86	36	40.5	99		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.1	37.9	105		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.5	37.3	100		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.5	36.9	98		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	40.0	111		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	3.60F	37.5	38.4F	93		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	8.92	37.5	42.4	89		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.5	36.0	96		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.5	39.2	105		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.5	34.9	93		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	366	252	69		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	35.4	59.4	**168**	Q	-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	37.5	32.9	88		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	37.5	27.2	72		-	-		10-119	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	124				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	**173**	Q			10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	121				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	95				10-206

Matrix Spike Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-3 QC Sample: L2165478-01 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C4]Butanoic Acid (MPFBA)	80				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**148**	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	0.423JF	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		109		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	116		135		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		107		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		135		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		109		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		113		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		150		10-162

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1580520-4 QC Sample: L2100462-93 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		52		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		97		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		81		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	120		85		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	93		92		10-206

INORGANICS
&
MISCELLANEOUS

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-01
Client ID: LB18_EPSW03_S-7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 12/02/21 16:00
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	60.1		%	0.100	0.100	1	-	12/13/21 12:03	121,2540G	AE

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-02
Client ID: LB18_EPSW04_W-7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 16:02
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	81.3		%	0.100	0.100	1	-	12/13/21 12:03	121,2540G	AE

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-03
Client ID: LB18_EPSW01_N-7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/02/21 16:04
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.2		%	0.100	0.100	1	-	12/13/21 12:03	121,2540G	AE

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

SAMPLE RESULTS

Lab ID: L2166484-04
Client ID: LB18_EPSB01_7
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 12/02/21 16:06
Date Received: 12/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	77.7		%	0.100	0.100	1	-	12/13/21 12:03	121,2540G	AE

Lab Duplicate Analysis

Batch Quality Control

Project Name: 45 COMMERCIAL STREET

Project Number: 170229024

Lab Number: L2166484

Report Date: 12/16/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1582423-1 QC Sample: L2155691-14 Client ID: DUP Sample						
Solids, Total	47.0	44.7	%	5		10

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024

Lab Number: L2166484
Report Date: 12/16/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166484-01A	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		A2-TS(7)
L2166484-01B	Plastic 8oz unpreserved	B	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166484-02A	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		A2-TS(7)
L2166484-02B	Plastic 8oz unpreserved	B	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166484-03A	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		A2-TS(7)
L2166484-03B	Plastic 8oz unpreserved	B	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166484-04A	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		A2-TS(7)
L2166484-04B	Plastic 8oz unpreserved	B	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2166484-05A	Plastic 250ml unpreserved	B	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 45 COMMERCIAL STREET
Project Number: 170229024
Lab Number: L2166484
Report Date: 12/16/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	45 COMMERCIAL STREET	**Lab Number:**	L2166484
Project Number:	170229024	**Report Date:**	12/16/21

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 12-03-2021

ALPHA Job # L2166484

Client Information
Client: Langan DPC
Address: 360 W 31st St Fl
New York NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@Langan.com

Project Information
Project Name: 45 Commercial Street
Project Location: Brooklyn NY
Project # 170224024
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

PAFS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PAFS	Sample Specific Comments
66484-01	LB18-EPSW03-S-7	12/2/21	16:00	Soil	YMD	X	
-02	LB18-EPSW04-W-7	"	16:02	"	"	X	
-03	LB18-EPSW01-N-7	"	16:04	"	"	X	
-04	LB18-EPSB01-7	"	16:06	"	"	X	
-05	PFB21-120221	"	17:20	AQ	"	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1015		12/3/21 1015
	12/3/21 1345		12/3/21 1640
	12/3/21		12/3/21 2235

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX L

DATA USABILITY SUMMARY REPORT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Greg Wyka, Langan Senior Project Geologist

From: Joe Conboy, Langan Senior Staff Chemist

Date: January 14, 2022

Re: Data Usability Summary Report
For 45 Commercial Street – Hotspot Endpoint
August – September 2021 Soil Samples
Langan Project No.: 170229024

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in August and September 2021 by Langan Engineering and Environmental Services at 45 Commercial Street in Brooklyn, NY. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), and metals (total and toxicity characteristic leaching procedure [TCLP]) by the methods specified below.

- SVOCs by SW-846 Method 8270D
- PFAS by USEPA Method 537M
- Total Metals by SW-846 Methods 6010D/7471B
- TCLP Metals by SW-846 Methods 1311/6010D

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

USEPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by

the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. USEPA recommends that modified methods be assessed relative to project goals and data quality objectives.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. The analytical reports described in this summary underwent Tier 1 data validation.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on

the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified in this data set.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

PFAS by USEPA Method 537M

L2166484

The FB (PFB21_120221) exhibited a detection of PFPeA (0.388 ng/L). The associated result in sample LB18_EPSW04_W-7 is qualified as U at the reporting limit because of potential blank contamination. The other associated results are non-detects or >10x blank contamination, so no qualification is required.

Total and TCLP Metals by SW-846 Methods 1311/6010D/7471B

L2141428

The MB for batch WG1531624 exhibited detections of sodium (2.45 mg/kg). The associated results in samples LB16_EPB01_9, LB16_EPSW01_N_7, LB16_EPSW02_E_7, LB16_EPSW03_S_7, and LB16_EPSW04_W_7 are qualified as U at the reporting limit because of potential blank contamination.

The MS performed on sample LB16_EPB01_9 exhibited percent recoveries below the LCL for chromium (71%), lead (59%), magnesium (67%), manganese (40%), and potassium (74%). The associated results in sample LB16_EPB01_9 are qualified as J because of potential low bias.

The laboratory duplicate and parent sample (LB16_EPB01_9) exhibited RPDs above the control limit for aluminum (25%), arsenic (32%), beryllium (25%), calcium (32%), cobalt (36%), copper (29%), iron (34%), lead (46%), magnesium (31%), manganese (58%), nickel (35%), potassium (33%), and vanadium (23%). The associated results are qualified as J because of potential indeterminate bias.

The MS performed on sample LB16_EPB01_9 exhibited a percent recovery above the UCL for mercury (141%). The associated results in sample LB16_EPB01_9 are qualified as J because of potential high bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

SVOCs by SW-846 Method 8270D

L2141428

The LCSD for batch WG1531620 exhibited a percent recovery above the UCL for 4-nitrophenol (119%). The associated results are non-detect. No qualification is necessary.

Total and TCLP Metals by SW-846 Methods 1311/6010D/7471B

L2141428

The MB for batch WG1531624 exhibited detections of chromium (0.128 mg/kg), iron (0.68 mg/kg), manganese (0.108 mg/kg), and vanadium (0.126 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample LB16_EPB01_9 exhibited percent recoveries below the LCL for aluminum (0%), calcium (0%), copper (528%), and iron (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LB16_EPB01_9 exhibited percent recoveries below the LCL for aluminum (0%), calcium (37%), copper (74%), and iron (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 45 Commerical Street - Hotspot Endpoint
August - September 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2141428	L2141428-01	LB16_EPB01_9	8/3/2021	Tier 1	Metals and SVOCs
L2141428	L2141428-02	LB16_EPSW01_N_7	8/3/2021	Tier 1	Metals and SVOCs
L2141428	L2141428-03	LB16_EPSW02_E_7	8/3/2021	Tier 1	Metals and SVOCs
L2141428	L2141428-04	LB16_EPSW03_S_7	8/3/2021	Tier 1	Metals and SVOCs
L2141428	L2141428-05	LB16_EPSW04_W_7	8/3/2021	Tier 1	Metals and SVOCs
L2142762	L2142762-01	LB22_EPB01_9.5	8/10/2021	Tier 1	Lead
L2142762	L2142762-02	LB17_EPB01_5	8/10/2021	Tier 1	Lead
L2142762	L2142762-03	LB17_EPSW01_N_5	8/10/2021	Tier 1	Lead
L2142762	L2142762-04	LB17_EPSW02_E_5	8/10/2021	Tier 1	Lead
L2142762	L2142762-05	LB17_EPSW03_S_5	8/10/2021	Tier 1	Lead and TCLP Lead
L2142762	L2142762-06	LB17_EPSW04_W_5	8/10/2021	Tier 1	Lead
L2143091	L2143091-01	LB22_SW01_N-6	8/11/2021	Tier 1	Lead
L2143091	L2143091-02	LB22_SW02_E-6	8/11/2021	Tier 1	Lead
L2143091	L2143091-03	LB22_SW03_S-6	8/11/2021	Tier 1	Lead and TCLP Lead
L2143091	L2143091-04	LB22_SW04_W-6	8/11/2021	Tier 1	Lead
L2143849	L2143849-01	LB18_EPB01_7	8/16/2021	Tier 1	Lead
L2143849	L2143849-02	LB18_EPSW01_N_7	8/16/2021	Tier 1	Lead
L2143849	L2143849-03	LB18_EPSW02_E_7	8/16/2021	Tier 1	Lead
L2143849	L2143849-04	LB18_EPSW03_S_7	8/16/2021	Tier 1	Lead and TCLP Lead
L2143849	L2143849-05	LB18_EPSW04_W_7	8/16/2021	Tier 1	Lead
L2149996	L2149996-01	LB22_SW03_S_A_6	9/16/2021	Tier 1	Lead and TCLP Lead
L2149996	L2149996-02	LB22_SW03_S_B_6	9/16/2021	Tier 1	Held
L2149996	L2149996-03	LB22_SW03_S_C_6	9/16/2021	Tier 1	Held
L2149996	L2149996-04	LB22_SW03_S_D_6	9/16/2021	Tier 1	Held
L2149996	L2149996-05	LB22_SW03_S_E_6	9/16/2021	Tier 1	Held
L2150922	L2150922-01	LB18_EPSW02_E_7	9/21/2021	Tier 1	PFAS
L2150922	L2150922-02	PFB11_092121	9/21/2021	Tier 1	PFAS
L2166484	L2166484-01	LB18_EPSW03_S-7	12/2/2021	Tier 1	PFAS
L2166484	L2166484-02	LB18_EPSW04_W-7	12/2/2021	Tier 1	PFAS
L2166484	L2166484-03	LB18_EPSW01_N-7	12/2/2021	Tier 1	PFAS
L2166484	L2166484-04	LB18_EPSB01_7	12/2/2021	Tier 1	PFAS
L2166484	L2166484-05	PFB21_120221	12/2/2021	Tier 1	PFAS

Data Usability Summary Report
For 45 Commerical Street
August - September 2021 Soil Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2141428	LB16_EPB01_9	6010D	7429-90-5	Aluminum	J
L2141428	LB16_EPB01_9	6010D	7440-38-2	Arsenic	J
L2141428	LB16_EPB01_9	6010D	7440-41-7	Beryllium	J
L2141428	LB16_EPB01_9	6010D	7440-70-2	Calcium	J
L2141428	LB16_EPB01_9	6010D	7440-47-3	Chromium	J
L2141428	LB16_EPB01_9	6010D	7440-48-4	Cobalt	J
L2141428	LB16_EPB01_9	6010D	7440-50-8	Copper	J
L2141428	LB16_EPB01_9	6010D	7439-89-6	Iron	J
L2141428	LB16_EPB01_9	6010D	7439-92-1	Lead	J
L2141428	LB16_EPB01_9	6010D	7439-95-4	Magnesium	J
L2141428	LB16_EPB01_9	6010D	7439-96-5	Manganese	J
L2141428	LB16_EPB01_9	6010D	7440-02-0	Nickel	J
L2141428	LB16_EPB01_9	6010D	7440-09-7	Potassium	J
L2141428	LB16_EPB01_9	6010D	7440-23-5	Sodium	U(216)
L2141428	LB16_EPB01_9	6010D	7440-62-2	Vanadium	J
L2141428	LB16_EPB01_9	SW7471B	7439-97-6	Mercury	J
L2141428	LB16_EPSW01_N_7	6010D	7440-23-5	Sodium	U(215)
L2141428	LB16_EPSW02_E_7	6010D	7440-23-5	Sodium	U(232)
L2141428	LB16_EPSW03_S_7	6010D	7440-23-5	Sodium	U(209)
L2141428	LB16_EPSW04_W_7	6010D	7440-23-5	Sodium	U(209)
L2166484	LB18_EPSW03_S-7	E537(M)	2706-90-3	PFPeA	U(0.810)

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

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To: Greg Wyka, Langan Senior Project Geologist

From: Joe Conboy, Langan Senior Staff Chemist

Date: January 24, 2022

Re: Data Usability Summary Report
For 45 Commercial Street – Endpoint Sampling
August – December 2021 Soil Samples
Langan Project No.: 170229024

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in August and December 2021 by Langan Engineering and Environmental Services at 45 Commercial Street in Brooklyn, NY. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), pesticides, herbicides, polychlorinated biphenyls (PCBs), metals, hexavalent chromium, and cyanide by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/7471B
- Hexavalent Chromium by SW-846 Method 7196A
- Cyanide by SW-846 Method 9010C/9012B

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)

- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

USEPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. USEPA recommends that modified methods be assessed relative to project goals and data quality objectives.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All of the analytical reports described in this summary underwent Tier 1 data validation.

Tier 2 data validation consists of sample-related QC results from the Tier 1 validation plus instrument-related QC results including: instrument tuning; initial and continuing calibration; internal standard recovery; interference check standards; serial dilution; post-digestion spike recoveries; isotope dilutions; and RPDs between primary and secondary columns.

Of the 65 field samples, not including field blanks, described in this summary, 4 field samples (the equivalent of 6% and identified in Table 1) underwent Tier 2 data validation.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified in this data set.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

L2141429

The LCS/LCSD for batch WG1532257 exhibited a percent recovery below the LCL for 2-butanone (68%, 69%). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential low bias.

The ICAL for instrument VOA100 exhibited RFs below the control limit for 2-butanone (0.085) and 4-methyl-2-pentanone (0.09). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 7/8/2021 at 22:47 exhibited RFs below the control limit for 2-butanone (0.079) and 4-methyl-2-pentanone (0.088). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 8/6/2021 at 05:14 exhibited %Ds above the control limit for dichlorodifluoromethane (37.3%), chloromethane (35.4%), carbon disulfide (23.8%), acrylonitrile (23.2%), 2-butanone (31.8%), 1,4-dioxane (20.7%), and 1,2,4-trichlorobenzene (-21.7%). This CCV also exhibited RFs below the control limit for 2-butanone (0.058) and 4-methyl-2-pentanone (0.077). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

L2141710

The LCS/LCSD for batch WG1532257 exhibited a percent recovery below the LCL for 2-butanone (68%, 69%). The associated results in samples EP07_2, EP08_2, EP13_2, and EP14_2 are qualified as UJ because of potential low bias.

L2142103

The LCS/LCSD for batch WG1533616 exhibited a percent recovery below the LCL for 2-butanone (69%, 63%). The associated result in sample EP19-2 is qualified as UJ because of potential low bias.

The ICAL for instrument VOA100 exhibited RFs below the control limit for 2-butanone (0.085) and 4-methyl-2-pentanone (0.09). The associated results in sample EP19-2 are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 7/8/2021 at 22:47 exhibited RFs below the control limit for 2-butanone (0.079) and 4-methyl-2-pentanone (0.088). The associated results in sample EP19-2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 8/10/2021 at 17:35 exhibited %Ds above the control limit for dichlorodifluoromethane (51.4%), vinyl chloride (20.1%), carbon disulfide (30.1%), methylene chloride (21.6%), and 2-butanone (30.6%). This CCV also exhibited RFs below the control limit for 2-butanone (0.059) and 4-methyl-2-pentanone (0.081). The associated results in sample EP19-2 are qualified as UJ because of potential indeterminate bias.

L2142543

Sample EP20_4 exhibited percent recoveries below the LCL for the internal standard chlorobenzene-d5 (49%) and 1,4-dichlorobenzene-d4 (14%). The associated results are qualified as UJ because of potential loss of instrument sensitivity.

L2142763

The LCS/LCSD for batch WG1534246 exhibited a percent recovery below the LCL for 2-butanone (62%, 63%). The associated result in sample EP05_2 is qualified as UJ because of potential low bias.

The ICAL for instrument VOA100 exhibited RFs below the control limit for 2-butanone (0.085) and 4-methyl-2-pentanone (0.09). The associated results in sample EP05_2 are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 7/8/2021 at 22:47 exhibited RFs below the control limit for 2-butanone (0.079) and 4-methyl-2-pentanone (0.088). The associated results in sample EP05_2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 8/12/2021 at 05:02 exhibited %Ds above the control limit for dichlorodifluoromethane (54.6%), chloromethane (43.4%), vinyl chloride (28%), 1,1-dichloroethene (20.3%), carbon disulfide (31.9%), acrylonitrile (21.2%), 2-butanone (37.6%), 2-hexanone (20.5%), and 2-chlorotoluene (26.8%). This CCV also exhibited RFs below the control limit for 2-butanone (0.053) and 4-methyl-2-pentanone (0.074). The associated results in sample EP05_2 are qualified as UJ because of potential indeterminate bias.

L2144683

The LCSD for batch WG1538937 exhibited a percent recovery below the LCL for 2-butanone (65%). The associated results in samples EP31_2, EP32_2, EP03_2, and EP09_2 are qualified as UJ because of potential low bias.

The LCS for batch WG1539199 exhibited a percent recovery below the LCL for 2-butanone (69%). The associated result in sample EP37_2 is qualified as UJ because of potential low bias.

The MB for batch WG1539199 exhibited detections of naphthalene (0.66 ug/kg), 1,2,3-trichlorobenzene (0.77 ug/kg), and 1,2,4-trichlorobenzene (0.56 ug/kg). The associated results in sample EP37_2 are qualified as J or U at the reporting limit because of potential blank contamination.

L2146522

The LCS/LCSD for batch WG1542793 exhibited a percent recovery below the LCL for 2-hexanone (67%). The associated results in samples EP10_2, EPDUP01_083021, EP16_8, and EP22_8 are qualified as UJ because of potential low bias.

L2146746

The LCS for batch WG1542793 exhibited a percent recovery below the LCL for 2-hexanone (67%). The associated results in samples EP23_8 and EP24_2 are qualified as UJ because of potential low bias.

L2149995

The LCS for batch WG1549446 exhibited a percent recovery below the LCL for acrylonitrile (69%). The associated result in sample EP41_9 is qualified as UJ because of potential low bias.

L2157422

The LCS/LCSD for batch WG1563109 exhibited percent recoveries below the LCL for acetone (49%, 48%) and 2-hexanone (66%). The associated results in samples EP15_2 and EP21_2 are qualified as UJ because of potential low bias.

L2160379

The MB for batch WG1568371 exhibited a detection of acetone (5.1 ug/kg). The associated result in sample EP27_2 is qualified as U at the reporting limit because of potential blank contamination. The associated results in samples EP28_2 and EP34_2 are >10x the blank contamination, so no qualification is required.

L2161589

The LCSD for batch WG1571414 exhibited a percent recovery below the LCL for trichlorofluoromethane (69%). The associated results in samples EPSW14, EPSW13, and EPSW12 are qualified as UJ because of potential low bias.

L2163745

The LCS for batch WG1577300 exhibited a percent recovery below the LCL for 2-butanone (69%). The associated results in samples EPSW11, EPSW10, EPSW09, and EPSW08 are qualified as UJ because of potential low bias.

L2166485

Sample EP39_2 exhibited a percent recovery below the LCL for the surrogate dibromofluoromethane (68%). The associated results are qualified as J or UJ because of potential low bias.

The MB for batch WG1580225-5 exhibited detections of chloroform (0.15 ug/kg) and 2-butanone (2.3 ug/kg). The associated trace results in samples EP45_2, EP39_2, and EPDUP03_120221 are qualified as U at the reporting limit because of potential blank contamination.

The MB for batch WG1580225-12 exhibited detections of chloroform (0.2 ug/kg), bromomethane (0.78 ug/kg), and 2-butanone (2.5 ug/kg). The associated trace results in samples EPSW04 and EP39_2 (reanalysis) are qualified as U at the reporting limit because of potential blank contamination.

SVOCs by SW-846 Method 8270D

L2141429

The LCS/LCSD for batch WG1532046 exhibited a percent recovery below the LCL for benzoic acid (8%) and an RPD above the control limit for benzoic acid (72%). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 8/8/2021 at 16:18 exhibited %Ds above the control limit for bis(2-chloroisopropyl)ether (-21.7%), 2-nitrophenol (-55.9%), 2-nitroaniline (-23.3%), 2,4-dinitrophenol (-49.9%), 4-nitrophenol (-30.8%), 4,6-dinitro-2-methylphenol (-36.3%), butyl benzyl phthalate (-31.4%), bis(2-ethylhexyl)phthalate (-26.6%), and di-n-octylphthalate (-31.8%). The associated results in samples EP01_2 and EP02_2 are qualified as J or UJ because of potential indeterminate bias.

L2142103

The CCV analyzed on 8/10/2021 at 22:48 exhibited a %D above the control limit for hexachlorocyclopentadiene (28.3%). The associated result in sample EP19-2 is qualified as UJ because of potential indeterminate bias.

L2142763

The CCV analyzed on 8/16/2021 at 21:32 exhibited a %D above the control limit for 4,6-dinitro-2-methylphenol (25.1%). The associated results in sample EP05_2 are qualified as UJ because of potential indeterminate bias.

L2144683

The LCS/LCSD for batch WG1537883 exhibited a percent recovery below the LCL for 1,4-dioxane (35%, 32%). The associated results in samples EP31_2, EP32_2, EP03_2, EP09_2, and EP37_2 are qualified as UJ because of potential low bias.

L2146522

The LCS/LCSD for batch WG1541292 exhibited percent recoveries above the UCL for 4-chloro-3-methylphenol (112%, 113%), 2-chlorophenol (106%, 106%), 4-nitrophenol (121%, 120%), and phenol (103%, 104%). The associated detected results in samples EP10_2, EPDUP01_083021, EP16_8, and EP22_8 are qualified as J because of potential high bias.

L2148919

The LCS for batch WG1545379 exhibited a percent recovery below the LCL for 1,4-dioxane (33%). The associated results in samples EP29_2 and EP35_5 are qualified as UJ because of potential low bias.

L2149995

The LCS/LCSD for batch WG1547183 exhibited a percent recovery above the UCL for phenol (92%) and exhibited a RPD above the control limit for benzoic acid (67%). The associated results in sample EP41_9 are qualified as J because of potential indeterminate bias.

L2153818

The LCS/LCSD for batch WG1554464 exhibited percent recoveries below the LCL for 3,3'-dichlorobenzidine (38%, 35%), hexachlorocyclopentadiene (25%, 26%), benzoic acid (0%), carbazole (51%, 52%), and 1,4-dioxane (30%, 36%). The associated results in samples EPSW07, EPSW06, EPSW05, EPSW03, EPSW02, and EPSW01 are qualified as J or UJ because of potential low bias.

L2155073

The LCS/LCSD for batch WG1556704 exhibited percent recoveries below the LCL for hexachlorocyclopentadiene (6%, 7%), 2,4-dinitrophenol (0%), 4,6-dinitro-2-methylphenol (0%), and benzoic acid (0%). The associated results in samples EP30_2, EP36_2, and EP42_2 are qualified as UJ because of potential low bias.

L2155325

The LCS/LCSD for batch WG1557428 exhibited percent recoveries below the LCL for hexachlorocyclopentadiene (33%, 32%) and benzoic acid (0%). The associated results in sample EP48_2 are qualified as UJ because of potential low bias.

L2160379

The LCS/LCSD for batch WG1567416 exhibited percent recoveries outside of control limits for 4-chloro-3-methylphenol (108%, 116%), 2-chlorophenol (105%), 4-nitrophenol (124%), 4,6-dinitro-2-methylphenol (132%), pentachlorophenol (113%, 124%), phenol (102%), and 1,4-dioxane (34%). The associated detected results in samples EP27_2, EP28_2, EP34_2, and EPDUP02_110321 are qualified as J because of potential high bias. The associated 1,4-dioxane results are qualified UJ because of potential low bias.

L2161589

The LCS/LCSD for batch WG1569856 exhibited percent recoveries below the LCL for 4-chloroaniline (39%) and benzoic acid (6%) and exhibited a RPD above the control limit for benzoic acid (53%). The associated results in samples EPSW14, EPSW13, and EPSW12 are qualified as UJ because of potential indeterminate bias.

L2163745

The FB (EPFB02_111821) exhibited detections of benzoic acid (9.6 ug/L), 2-methylnaphthalene (0.08 ug/L), acenaphthene (0.03 ug/L), anthracene (0.03 ug/L), benzo(a)anthracene (0.03 ug/L), fluoranthene (0.02 ug/L), fluorene (0.02 ug/L), naphthalene (0.07 ug/L), phenanthrene (0.12 ug/L), and pyrene (0.03 ug/L). The associated results that are trace detections are qualified J because of potential high bias. Other associated results are non-detects or >10x the blank contamination, so no qualification is necessary.

The LCS/LCSD for batch WG1574113 exhibited a percent recovery below the LCL for benzoic acid (5%) and exhibited a RPD above the control limit for benzoic acid (86%). The associated results in samples EPSW11, EPSW10, EPSW09, and EPSW08 are qualified as UJ because of potential indeterminate bias.

L2166485

The LCS for batch WG1579620 exhibited a percent recovery below the LCL for benzoic acid (8%). The associated results in samples EPSW04, EP45_2, EP39_2, and EPDUP03_120221 are qualified as UJ because of potential low bias.

Sample EP45_2 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (9%) and 2,4,6-tribromophenol (2%). The associated acid fraction results are qualified as J or UJ because of potential low bias.

Sample EPDUP03_120221 exhibited percent recoveries above the UCL for the surrogates 2-fluorophenol (146%), phenol-d6 (151%), nitrobenzene-d5 (139%), and 2-fluorobiphenyl (130%). The associated detected results are qualified as J because of potential high bias.

PFAS by USEPA Method 537M

L2141710

The ion ratio observed in sample EP07_2 exhibited poor responses for PFOA. The associated result is qualified as J because of potential indeterminate bias.

L2142763

The MB for batch WG1534231 exhibited a detection of PFHxA (0.063 ng/g). The associated result in sample EP05_2 is qualified as U at the reporting limit because of potential blank contamination.

L2144683

Sample EP31_2 exhibited a percent recovery above the UCL for the isotope dilution standard M8-FOSA (136%). The associated results are qualified as UJ because of potential high bias.

Sample EP32_2 exhibited a percent recovery above the UCL for the isotope dilution standard M8-FOSA (127%). The associated results are qualified as UJ because of potential high bias.

Sample EP03_2 exhibited a percent recovery below the LCL for the isotope dilution standard d5-NEtFOSAA (30%). The associated results are qualified as UJ because of potential low bias.

Sample EP09_2 exhibited a percent recovery above the UCL for the isotope dilution standard M8-FOSA (125%). The associated results are qualified as UJ because of potential high bias.

L2145462

Sample EP18_2 exhibited percent recoveries below the LCL for the isotope dilution standards M-PFBA (41%), M5-PFPeA (42%), M3-PFBS (57%), M5-PFHxA (42%), M4-PFHpA (44%), M3-PFHxS (57%), M8-PFOA (45%), M9-PFNA (45%), M8-PFOS (48%), M6-PFDA (42%), d3-NMeFOSAA (14%), and M7-PFUdA (40%). The associated results are qualified as J or UJ because of potential low bias.

The ion ratio observed in sample EP18_2 exhibited poor responses for PFHxA. The associated results are qualified as J because of potential indeterminate bias.

The sample EP17_2 exhibited percent recoveries outside of control limits for the isotope dilution standards M3-PFBS (71%), M3-PFHxS (72%), M8-PFOA (68%), M9-PFNA (64%), M8-PFOS (68%), d3-NMeFOSAA (26%), M8-FOSA (126%), d5-NEtFOSAA (19%), and M2-PFTEDA (16%). The associated results are qualified as UJ because of potential low bias.

L2146746

Sample EP23_8 exhibited a percent recovery below the LCL for the isotope dilution standard M4-PFHpA (68%). The associated results are qualified as UJ because of potential low bias.

L2148919

The ion ratio observed in sample EP29_2 exhibited poor responses for PFHpA. The associated results are qualified as J because of potential indeterminate bias.

L2151575

Sample EP46_4 exhibited percent recoveries below the LCL for the isotope dilution standards M5-PFHxA (62%), M4-PFHpA (65%), M8-PFOA (70%), M8-PFOS (77%), M6-PFDA (71%), d3-NMeFOSAA (24%), and d5-NEtFOSAA (22%). The associated results are qualified as J or UJ because of potential low bias.

Sample EP47_4 exhibited percent recoveries below the LCL for the isotope dilution standards d3-NMeFOSAA (29%) and d5-NEtFOSAA (31%). The associated results are qualified as UJ because of potential low bias.

The ion ratio observed in sample EP47_4 exhibited poor responses for PFUNA. The associated results are qualified as J because of potential indeterminate bias.

L2153818

The ion ratio observed in sample EPSW03 exhibited poor responses for PFTA. The associated results are qualified as J because of potential indeterminate bias.

L2155073

The FB (PFB14_100821) exhibited a detection of pfpea (0.364 ng/L). The associated results in samples EP36_2 and EP42_2 are qualified as U at the reporting limit because of potential blank contamination. The associated result in sample EP30_2 was non-detect, so no qualification was required.

Sample EP30_2 exhibited percent recoveries below the LCL for the isotope dilution standards M-PFBA (51%), M5-PFPeA (50%), M3-PFBS (64%), M5-PFHxA (52%), M4-PFHpA (52%), M3-

PFHxS (61%), M8-PFOA (56%), M9-PFNA (59%), M8-PFOS (56%), M6-PFDA (51%), d3-NMeFOSAA (12%), M7-PFUDA (52%), d5-NEtFOSAA (10%), M-PFDoA (34%), and M2-PFTeDA (7%). The associated results are qualified as J or UJ because of potential low bias.

Sample EP36_2 exhibited percent recoveries below the LCL for the isotope dilution standards M-PFBA (31%), M5-PFPeA (36%), M5-PFHxA (44%), M4-PFHpA (49%), M8-PFOA (57%), M9-PFNA (67%), M8-PFOS (75%), M6-PFDA (60%), d3-NMeFOSAA (22%), d5-NEtFOSAA (21%), and M-PFDoA (31%). The associated results are qualified as J or UJ because of potential low bias.

Sample EP42_2 exhibited percent recoveries below the LCL for the isotope dilution standards M-PFBA (34%), M5-PFPeA (35%), M3-PFBS (54%), M5-PFHxA (39%), M4-PFHpA (40%), M3-PFHxS (51%), M8-PFOA (44%), M9-PFNA (47%), M8-PFOS (44%), M6-PFDA (38%), d3-NMeFOSAA (2%), M7-PFUdA (36%), d5-NEtFOSAA (3%), M-PFDoA (23%), and M2-PFTEdA (3%). The associated results are qualified as J or UJ because of potential low bias.

The ion ratio observed in sample EP36_2 exhibited poor responses for PFOS and PFUnA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EP42_2 exhibited poor responses for PFHxA. The associated results are qualified as J because of potential indeterminate bias.

L2155325

The FB (PFB15_101121) exhibited detections of 6:2 FTS (1.18 ng/L), PFOA (0.254 ng/L), and PFPeA (0.345 ng/L). The associated PFPeA result in sample EP48_2 is qualified U at the reporting limit. The other associated results are either non-detect or >10x the blank contamination, so no qualification is necessary.

Sample EP48_2 exhibited percent recoveries below the LCL for the isotope dilution standards d3-NMeFOSAA (29%) and d5-NEtFOSAA (33%). The associated results are qualified as UJ because of potential low bias.

L2158256

The FB (PFB17_102521) exhibited detections of 6:2 FTS (11.3 ng/L) and PFPeA (0.57 ng/L). The associated PFPeA results in samples EP43_2 and EP44_2 are qualified as U at the reporting limit because of potential blank contamination. The associated 6:2 FTS results are non-detect, so no qualification is required.

The ion ratio observed in sample EP43_2 exhibited poor responses for PFHxA. The associated results are qualified as J because of potential indeterminate bias.

L2160379

Sample EP27_2 exhibited a percent recovery below the LCL for the isotope dilution standard d3-NMeFOSAA (26%). The associated results are qualified as UJ because of potential low bias.

Sample EP34_2 exhibited percent recoveries below the LCL for the isotope dilution standards d3-NMeFOSAA (29%) and d5-NEtFOSAA (30%). The associated results are qualified as UJ because of potential low bias.

L2161589

Sample EPSW13 exhibited percent recoveries below the LCL for the isotope dilution standards M4-PFHpA (69%) and M8-PFOA (71%). The associated results are qualified as J or UJ because of potential low bias.

The ion ratio observed in sample EPSW12 exhibited poor responses for PFHpA, PFHxA, PFOA, and PFTrDA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EPSW13 exhibited poor responses for PFDA, PFDoA, PFOA, and PFTA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EPSW14 exhibited poor responses for PFDoA, PFNA, and PFUnA. The associated results are qualified as J because of potential indeterminate bias.

L2163745

Sample EPSW11 exhibited percent recoveries above the UCL for the isotope dilution standards M2-6:2FTS (252%) and M2-8:2FTS (421%). The associated results are qualified as UJ because of potential high bias.

Sample EPSW10 exhibited percent recoveries above the UCL for the isotope dilution standards M2-6:2FTS (618%), M2-8:2FTS (1172%), d3-NMeFOSAA (186%), and d5-NEtFOSAA (194%). The associated results are qualified as J or UJ because of potential high bias.

Sample EPSW09 exhibited percent recoveries above the UCL for the isotope dilution standards M2-6:2FTS (297%), M2-8:2FTS (765%), d3-NMeFOSAA (176%), and d5-NEtFOSAA (208%). The associated results are qualified as UJ because of potential high bias.

Sample EPSW08 exhibited percent recoveries above the UCL for the isotope dilution standards M2-6:2FTS (456%), M2-8:2FTS (802%), and d5-NEtFOSAA (176%). The associated results are qualified as J or UJ because of potential high bias.

The ion ratio observed in sample EPSW08 exhibited poor responses for PFDA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EPSW09 exhibited poor responses for PFDA, PFNA, and PFTA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EPSW10 exhibited poor responses for PFTA. The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample EPSW11 exhibited poor responses for PFOS, PFOA, and PFTA. The associated results are qualified as J because of potential indeterminate bias.

L2166485

The FB (PFB22_120221) exhibited a detection of PFPeA (0.4 ng/L). The associated results in sample EPSW04 is qualified as U at the reporting limit because of potential blank contamination. The other associated results are non-detects, so no qualification was required.

Sample EP45_2 exhibited percent recoveries below the LCL for the isotope dilution standards M4-PFHpA (67%), M8-PFOA (72%), M8-PFOS (78%), and M6-PFDA (74%). The associated results are qualified as J or UJ because of potential low bias.

The ion ratio observed in sample EPSW04 exhibited poor responses for PFTrDA. The associated results are qualified as J because of potential indeterminate bias.

Pesticides by SW-846 Method 8081A

L2141429

The CCV analyzed on 8/7/2021 at 09:54 exhibited a %D above the control limit for toxaphene (31.68%). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 8/7/2021 at 15:56 exhibited a %D above the control limit for methoxychlor (27.1%). The associated results in samples EP01_2 and EP02_2 are qualified as UJ because of potential indeterminate bias.

The sample EP01_2 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD, 4,4'-DDE, chlordane, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EP02_2 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, chlordane, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2141710

The sample EP08_2 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, heptachlor epoxide, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EP13_2 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDE. The associated results are qualified as J because of potential indeterminate bias.

The sample EP14_2 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDE and cis-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2142543

The LCS/LCSD for batch WG1534841 exhibited a RPD above the control limit for endrin aldehyde (40%). The associated result in sample EP20_4 is qualified as UJ because of potential indeterminate bias.

L2143089

The sample EP04_2 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDT. The associated results are qualified as J because of potential indeterminate bias.

L2144125

Sample EP26_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (271%). The associated detected results are qualified as J because of potential high bias.

Sample EP33_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (172%). The associated detected results are qualified as J because of potential high bias.

The sample EP25_2 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDD. The associated results are qualified as J because of potential indeterminate bias.

The sample EP26_2 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDD. The associated results are qualified as J because of potential indeterminate bias.

The sample EP33_2 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDD. The associated results are qualified as J because of potential indeterminate bias.

L2144683

The sample EP32_2 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2145462

Sample EP06_2 exhibited RPDs above the control limit between the primary and secondary GC columns for cis-chlordane and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

Sample EP12_2 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2146522

The sample EP10_2 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD and 4,4'-DDE. The associated results are qualified as J because of potential indeterminate bias.

The sample EPDUP01_083021 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD and 4,4'-DDE. The associated results are qualified as J because of potential indeterminate bias.

L2153818

Sample EPSW07 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (169%, 182%). The associated detected results are qualified as J because of potential high bias.

Sample EPSW01 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (103%). The associated detected results are qualified as J because of potential high bias.

The sample EPSW01 exhibited RPDs above the control limit between the primary and secondary GC columns for dieldrin, heptachlor epoxide, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EPSW02 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD, 4,4'-DDE, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EPSW03 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDD, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EPSW05 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDE, 4,4'-DDT, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EPSW06 exhibited RPDs above the control limit between the primary and secondary GC columns for aldrin, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

The sample EPSW07 exhibited RPDs above the control limit between the primary and secondary GC columns for heptachlor epoxide and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2161589

Sample EPSW14 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (218%). The associated detected results are qualified as J because of potential high bias.

The LCS/LCSD for batch WG1569843 exhibited RPDs above the control limit for alpha-BHC (33%) and endrin aldehyde (43%). The associated results in samples EPSW14, EPSW13, and EPSW12 are qualified as UJ because of potential indeterminate bias.

The sample EPSW13 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDE, cis-chlordane, and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2163745

Sample EPSW10 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (332%). The associated detected results are qualified as J because of potential high bias.

Sample EPSW09 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (16%). The associated results are qualified as UJ because of potential low bias.

Sample EPSW08 exhibited RPDs above the control limit between the primary and secondary GC columns for chlordane, dieldrin, and heptachlor epoxide. The associated results are qualified as J because of potential indeterminate bias.

Sample EPSW10 exhibited a RPD above the control limit between the primary and secondary GC columns for cis-chlordane. The associated results are qualified as J because of potential indeterminate bias.

Sample EPSW11 exhibited RPDs above the control limit between the primary and secondary GC columns for 4,4'-DDE, 4,4'-DDT, and cis-chlordane. The associated results are qualified as J because of potential indeterminate bias.

L2166485

The LCS/LCSD for batch WG1579672 exhibited a RPD above the control limit for beta bhc (40%). The associated results in samples EPSW04, EP45_2, EP39_2, and EPDUP03_120221 are qualified as UJ because of potential indeterminate bias.

Sample EPDUP03_120221 exhibited a RPD above the control limit between the primary and secondary GC columns for cis-chlordane. The associated results are qualified as J because of potential indeterminate bias.

Sample EPSW04 exhibited RPDs above the control limit between the primary and secondary GC columns for cis-chlordane and trans-chlordane. The associated results are qualified as J because of potential indeterminate bias.

PCBs by SW-846 Method 8082A

L2163745

Sample EPSW10 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (305%). The associated detected results are qualified as J because of potential high bias.

Sample EPSW11 exhibited a RPD above the control limit between the primary and secondary GC columns for PCB-1260. The associated results are qualified as J because of potential indeterminate bias.

Herbicides by SW-846 Method 8151A

L2161589

Sample EPSW13 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (29%). The associated results are qualified as UJ because of potential low bias.

Metals by SW-846 Methods 6010D/7471B

L2141710

The MS performed on sample EP07_2 exhibited a percent recovery below the LCL for mercury (78%). The associated result in sample EP07_2 is qualified as J because of potential low bias.

The laboratory duplicate and parent sample (EP07_2) exhibited a RPD above the control limit for mercury (51%). The associated result is qualified as J because of potential indeterminate bias.

L2142763

The MS performed on sample EP05_2 exhibited percent recoveries below the LCL for antimony (69%), barium (0%), chromium (0%), cobalt (68%), nickel (36%), potassium (0%), sodium (64%), thallium (73%), and vanadium (21%). The associated results in sample EP05_2 are qualified as J or UJ because of potential low bias.

The post-digestion spike performed on sample EP05_2 exhibited percent recoveries below the LCL for barium (1.8%), chromium (0%), cobalt (72%), nickel (47%), potassium (0%), sodium (68%), and vanadium (30%). The associated results in sample EP05_2 are qualified as J because of potential low bias.

The laboratory duplicate and parent sample (EP05_2) exhibited RPDs above the control limit for aluminum (85%), arsenic (62%), barium (87%), beryllium (67%), calcium (46%), chromium (45%), cobalt (87%), copper (77%), lead (91%), magnesium (43%), manganese (45%), nickel (86%),

potassium (70%), sodium (83%), vanadium (74%), zinc (119%), and iron (75%). The associated results are qualified as J because of potential indeterminate bias.

The serial dilution performed on sample EP05_2 exhibited RPDs above the control limit for aluminum (45%), arsenic (40%), barium (44%), calcium (42%), chromium (38%), copper (42%), lead (32%), magnesium (36%), manganese (42%), vanadium (40%), zinc (32%), and iron (41%). The associated results are qualified as J because of potential indeterminate bias.

L2144125

The MB for batch WG1536611 exhibited a detection of sodium (40.4 mg/kg). The associated results in samples EP25_2 and EP33_2 are qualified as J or U at the reporting limit because of potential blank contamination.

The laboratory duplicate and parent sample (EP25_2) exhibited a RPD above the control limit for mercury (21%). The associated results are qualified as J because of potential indeterminate bias.

L2145462

The MS performed on sample EP06_2 exhibited a percent recovery above the UCL for mercury (155%). The associated results in sample EP06_2 are qualified as J because of potential high bias.

L2146522

The MB for batch WG1541207 exhibited a detection of sodium (15.1 mg/kg). The associated result in sample EP22_8 is qualified as U at the reporting limit because of potential blank contamination. The other associated results are >10x the blank contamination, so no qualification is required.

The MS/MSD performed on sample EP16_8 exhibited percent recoveries outside of control limits for arsenic (132%), copper (9%, 65%), manganese (32%, 62%), and zinc (171%, 132%). The associated results in sample EP16_8 are qualified as J because of potential high bias.

The MS/MSD performed on sample EP16_8 exhibited a RPD above the control limit for lead (56%). The associated results in sample EP16_8 are qualified as J because of potential indeterminate bias.

The post-digestion spike performed on sample EP16_8 exhibited a percent recovery above the UCL for copper (127%). The associated results in sample EP16_8 are qualified as J because of potential high bias.

The MS/MSD performed on sample EP16_8 exhibited a percent recovery below the LCL for mercury (76%, 77%). The associated result in sample EP16_8 is qualified as J because of potential low bias.

L2149995

The MS performed on sample EP41_9 exhibited percent recoveries below the LCL for antimony (72%), copper (144%), and thallium (58%). The associated results in sample EP41_9 are qualified as J or UJ because of potential low bias.

The laboratory duplicate and parent sample (EP41_9) exhibited RPDs above the control limit for lead (80%), manganese (32%), and zinc (29%). The associated results are qualified as J because of potential indeterminate bias.

The serial dilution performed on sample EP41_9 exhibited percent differences above the control limit for lead (21%), magnesium (22%), and zinc (21%). The associated results are qualified as J because of potential indeterminate bias.

L2151575

The MB for batch WG1551312 exhibited a detection of sodium (19.6 mg/kg). The associated results in samples EP46_4, EP47_4, and EP38_9 are qualified as U at the reporting limit because of potential blank contamination. The associated result for sample EP40_5 was >10x the blank contamination, so no qualification is required.

L2153818

The MB for batch WG1554605 exhibited a detection of sodium (12.2 mg/kg). The associated results in samples EPSW07, EPSW06, and EPSW05 are qualified as U at the reporting limit because of potential blank contamination. The associated results in samples EPSW03, EPSW02, and EPSW01 are >10x the blank contamination, so no qualification is required.

L2155073

The MB for batch WG1557099 exhibited a detection of sodium (4.36 mg/kg). The associated results in samples EP30_2, EP36_2, and EP42_2 are qualified as U at the reporting limit because of potential blank contamination.

L2155325

The MB for batch WG1557605 exhibited detections of antimony (0.172 mg/kg), chromium (0.072 mg/kg), and iron (0.452 mg/kg). The associated antimony result in sample EP48_2 is qualified as

U at the reporting limit because of potential blank contamination. The associated chromium and iron results are >10x the blank contamination, so no qualification is required.

L2160379

The MB for batch WG1567324 exhibited detections of aluminum (1.76 mg/kg), barium (0.088 mg/kg), beryllium (0.02 mg/kg), cadmium (0.072 mg/kg), calcium (3.4 mg/kg), iron (2.95 mg/kg), lead (0.124 mg/kg), magnesium (1.01 mg/kg), manganese (0.104 mg/kg), and sodium (2.26 mg/kg). The associated beryllium and sodium results are qualified U at the reporting limits based on the blank contamination. The other associated results are >10X the contamination, so no qualification is necessary.

The MS/MSD performed on sample EP28_2 exhibited percent recoveries outside of control limits for copper (294%, 152%) and magnesium (72%, 64%) and exhibited an RPD above the UCL for copper (28%). The associated results in sample EP28_2 are qualified as J because of potential high bias.

L2161589

The MB for batch WG1570154 exhibited detections of nickel (0.232 mg/kg) and sodium (9.42 mg/kg). The associated sodium results in samples EPSW14, EPSW13, and EPSW12 are qualified as U at the reporting limit because of potential blank contamination. The associated nickel results are >10x the blank contamination, so no qualification was required.

L2163745

The FB (EPFB02_111821) exhibited detections of chromium (0.00025 mg/L) and thallium (0.00025 mg/L). The associated thallium results in samples EPSW11, EPSW10, EPSW09, and EPSW08 are qualified as U at the reporting limit because of potential blank contamination. The associated chromium results are >10x the blank contamination, so no qualification is required.

The MB for batch WG1574620 exhibited detections of iron (1.06 mg/kg) and sodium (2.4 mg/kg). The associated sodium results are qualified U at the reporting limit because of blank contamination. The associated iron results are >10X the contamination, so no qualification is necessary.

L2166485

The FB (EPFB03_120221) exhibited detections of thallium (0.00022 mg/L). The associated copper results in samples EP39_2 and EPDUP03_120221 are qualified as U at the reporting limit because

of potential blank contamination. The other associated results are non-detects or >10x blank contamination, so no qualification is required.

The MB for batch WG1579602 exhibited detections of cobalt (0.08 mg/kg), iron (41 mg/kg), manganese (0.66 mg/kg), selenium (0.224 mg/kg), and sodium (9.67 mg/kg). The associated trace copper, selenium, and sodium are qualified U at the reporting limit. The other associated results are >10X the contamination, so no qualification is necessary.

The MB for batch WG1580970 exhibited a detection of chromium (0.048 mg/kg). The associated trace results in samples EPSW04, EP45_2, EP39_2, and EPDUP03_120221 are qualified as U at the reporting limit because of potential blank contamination.

The MS/MSD performed on sample EP45_2 exhibited percent recoveries outside of control limits for antimony (74%), barium (305%), cadmium (133%), copper (68%), chromium (71%, 74%), and nickel (57%, 53%). The associated results in sample EP45_2 are qualified as J or UJ because of potential low bias.

The post-digestion spike performed on sample EP45_2 exhibited percent recoveries below the LCL for chromium (74%) and nickel (69%). The associated results in sample EP45_2 are qualified as J because of potential low bias.

The serial dilution performed on sample EP45_2 exhibited percent difference above the control limit for chromium (35%). The associated result is qualified as J because of potential indeterminate bias.

Hexavalent Chromium by SW-846 Method 7196A

L2141710

The MS performed on sample EP07_2 exhibited a percent recovery below the LCL for hexavalent chromium (52%). The associated result in sample EP07_2 is qualified as UJ because of potential low bias.

L2142103

The LCS for batch WG1532971 exhibited a percent recovery below the LCL for hexavalent chromium (70%). The associated result in sample EP19-2 is qualified as UJ because of potential low bias.

L2143089

The MS performed on sample EP04_2 exhibited a percent recovery below the LCL for hexavalent chromium (48%). The associated result in sample EP04_2 is qualified as UJ because of potential low bias.

L2144125

The MS performed on sample EP33_2 exhibited a percent recovery below the LCL for hexavalent chromium (52%). The associated result in sample EP33_2 is qualified as UJ because of potential low bias.

L2145663

The LCS for batch WG1540925 exhibited a percent recovery below the LCL for hexavalent chromium (73%). The associated results in samples EP11_2 and EP17_2 are qualified as J or UJ because of potential low bias.

L2161589

The MS performed on sample EPSW12 exhibited a percent recovery below the LCL for hexavalent chromium (70%). The associated results in sample EPSW12 are qualified as UJ because of potential low bias.

L2163745

The MS performed on sample EPSW11 exhibited a percent recovery below the LCL for hexavalent chromium (45%). The associated result in sample EPSW11 is qualified as UJ because of potential low bias.

L2166485

The MS/MSD performed on sample EP45_2 exhibited a RPD above the control limit for hexavalent chromium (23%). The associated result in sample EP45_2 is qualified as UJ because of potential indeterminate bias.

Cyanide by SW-846 Method 9010C/9012B

L2160379

The LCS/LCSD for batch WG1567454 exhibited a percent recovery below the LCL for cyanide (60%, 68%). The associated results in samples EP27_2, EP28_2, EP34_2, and EPDUP02_110321 are qualified as J or UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

L2142543

Sample EP20_4 exhibited percent recoveries above the UCL for the surrogates toluene-d8 (145%) and 4-bromofluorobenzene (190%). The associated results are non-detect. No qualification is necessary.

L2143089

The LCS/LCSD for batch WG1535484 exhibited percent recoveries above the UCL for trichlorofluoromethane (143%, 145%), bromomethane (150%), vinyl chloride (141%, 139%), and dichlorodifluoromethane (175%, 173%). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1535484 exhibited detections of toluene (0.83 ug/kg) and hexachlorobutadiene (0.2 ug/kg). The associated results are non-detect. No qualification is necessary.

L2144125

The MB for batch WG1537182 exhibited a detection of toluene (0.54 ug/kg). The associated results are non-detect. No qualification is necessary.

L2144683

The MB for batch WG1538937 exhibited detections of toluene (0.89 ug/kg), 1,2-dichlorobenzene (0.42 ug/kg), 1,3-dichlorobenzene (0.33 ug/kg), 1,4-dichlorobenzene (0.42 ug/kg), styrene (0.32 ug/kg), 1,2,3-trichloropropane (0.3 ug/kg), n-butylbenzene (0.9 ug/kg), sec-butylbenzene (0.42 ug/kg), tert-butylbenzene (0.33 ug/kg), 2-chlorotoluene (0.2 ug/kg), 4-chlorotoluene (0.21 ug/kg), hexachlorobutadiene (1.2 ug/kg), isopropylbenzene (0.15 ug/kg), p-isopropyltoluene (0.51 ug/kg), naphthalene (2.1 ug/kg), n-propylbenzene (0.22 ug/kg), 1,2,3-trichlorobenzene (2 ug/kg), 1,2,4-trichlorobenzene (1.7 ug/kg), 1,3,5-trimethylbenzene (0.27 ug/kg), 1,2,4-trimethylbenzene (0.39 ug/kg), 1,4-diethyl benzene (0.81 ug/kg), and 1,2,4,5-tetramethylbenzene (1.4 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1539199 exhibited detections of n-butylbenzene (0.3 ug/kg), hexachlorobutadiene (0.37 ug/kg), p-isopropyltoluene (0.15 ug/kg), 1,4-diethyl benzene (0.25 ug/kg), and 1,2,4,5-tetramethylbenzene (0.45 ug/kg). The associated results are non-detect. No qualification is necessary.

L2145663

The MB for batch WG1541726 exhibited a detection of bromomethane (3.8 ug/kg). The associated results are non-detect. No qualification is necessary.

L2146522

The LCS/LCSD for batch WG1542793 exhibited percent recoveries above the UCL for carbon tetrachloride (133%, 134%) and bromomethane (154%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample EP6_8 exhibited a percent recovery below the LCL for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MB for batch WG1542793 exhibited detections of hexachlorobutadiene (0.3 ug/kg), 1,2,3-trichlorobenzene (0.54 ug/kg), 1,2,4-trichlorobenzene (0.39 ug/kg), and 1,2,4,5-tetramethylbenzene (0.27 ug/kg). The associated results are non-detect. No qualification is necessary.

L2146746

The LCS/LCSD for batch WG1542793 exhibited percent recoveries above the UCL for carbon tetrachloride (133%, 134%) and bromomethane (154%). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1542793 exhibited detections of hexachlorobutadiene (0.3 ug/kg), 1,2,3-trichlorobenzene (0.54 ug/kg), 1,2,4-trichlorobenzene (0.39 ug/kg), and 1,2,4,5-tetramethylbenzene (0.27 ug/kg). The associated results are non-detect. No qualification is necessary.

L2148919

The MB for batch WG1546914 exhibited a detection of chloroform (0.16 ug/kg). The associated results are non-detect. No qualification is necessary.

L2151575

The LCS/LCSD for batch WG1552264 exhibited percent recoveries above the UCL for chloromethane (138%, 132%) and vinyl acetate (158%, 160%). The associated results are non-detect. No qualification is necessary.

L2153818

Sample EPSW06 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (135%). The associated results are non-detect. No qualification is necessary.

Sample EPSW05 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (133%). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1555752 exhibited a detection of methylene chloride (4 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1556132 exhibited detections of chloromethane (2.2 ug/kg), 1,4-dichlorobenzene (0.17 ug/kg), styrene (0.21 ug/kg), and 4-chlorotoluene (0.13 ug/kg). The associated results are non-detect. No qualification is necessary.

L2157422

The MB for batch WG1563109 exhibited detections of chloroform (0.16 ug/kg) and bromomethane (0.59 ug/kg). The associated results are non-detect. No qualification is necessary.

L2158256

The MB for batch WG1564773 exhibited detections of chloroform (0.21 ug/kg) and 1,4-diethyl benzene (0.18 ug/kg). The associated results are non-detect. No qualification is necessary.

L2160379

The LCS for batch WG156885 exhibited a percent recovery above the UCL for carbon tetrachloride (135%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample EP28_2 exhibited percent recoveries and RPDs outside of control limits for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MB for batch WG1568371 exhibited detections of chloromethane (2 ug/kg), bromomethane (1.9 ug/kg), and styrene (0.23 ug/kg). The associated results are non-detect. No qualification is necessary.

L2161589

The MB for batch WG1571414 exhibited a detection of 2-butanone (3.5 ug/kg). The associated results are non-detect. No qualification is necessary.

L2163745

The MB for batch WG1577300 exhibited detections of naphthalene (0.9 ug/kg), 1,2,3-trichlorobenzene (0.4 ug/kg), and 1,2,4-trichlorobenzene (0.27 ug/kg). The associated results are non-detect. No qualification is necessary.

L2166485

The MS/MSD performed on sample EP455_2 exhibited percent recoveries and RPDs outside of control limits for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

SVOCs by SW-846 Method 8270D

L2142103

The LCSD for batch WG153257 exhibited a percent recovery above the UCL for phenol (92%). The associated results are non-detect. No qualification is necessary.

L2145462

The LCSD for batch WG1539195 exhibited a percent recovery above the UCL for 4-nitrophenol (118%). The associated results are non-detect. No qualification is necessary.

L2146522

The MS/MSD performed on sample EP6_8 exhibited percent recoveries and RPDs outside of control limits for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

L2146746

The LCS/LCSD for batch WG1541292 exhibited percent recoveries above the UCL for 4-chloro-3-methylphenol (112%, 113%), 2-chlorophenol (106%, 106%), 4-nitrophenol (121%, 120%), and phenol (103%, 104%). The associated results are non-detect. No qualification is necessary.

L2148919

The LCSD for batch WG1545379 exhibited a percent recovery above the UCL for phenol (94%). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1545379 exhibited detections of fluoranthene (33 ug/kg), phenanthrene (72 ug/kg), and pyrene (20 ug/kg). The associated results are >10X the contamination. No qualification is necessary.

L2153818

Sample EPSW05 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (126%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample EPSW02 exhibited a percent recovery above the UCL for the surrogate phenol-d6 (128%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

L2157422

The LCS for batch WG1562211 exhibited a percent recovery above the UCL for phenol (95%). The associated results are non-detect. No qualification is necessary.

L2158256

The sample EP44_2 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d5 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

L2160379

Sample EP28_2 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d5 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

Sample EPDUP02_110321 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d5 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

L2166485

The LCS/LCSD for batch WG1581221 exhibited percent recoveries below the LCL for 3-nitroaniline (9%), benzoic acid (1%, 9%), and carbazole (46%) and exhibited RPDs outside of control limits for 3-nitroaniline (154%), 4-nitroaniline (68%), benzoic acid (165%), and carbazole (61%. Results from these analytes for sample EPDUP03_120221 (re-extraction) are not associated with this LCS/LCSD. No qualification is necessary.

The MS/MSD performed on sample EP45_2 exhibited percent recoveries outside of control limits for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

PFAS by USEPA Method 537M

L2141429

The LCS for batch WG1531787 exhibited a percent recovery above the UCL for 8:2 FTS (143%). The associated results are non-detect. No qualification is necessary.

L2141710

The LCS for batch WG1531787 exhibited a percent recovery above the UCL for 8:2 FTS (143%). The associated results are non-detect. No qualification is necessary.

L2142103

The LCS for batch WG1532703 exhibited percent recoveries above the UCL for PFHpS (135%) and 8:2 FTS (144%). The associated results are non-detect. No qualification is necessary.

L2143089

The LCS for batch WG1535382 exhibited a percent recovery above the UCL for 6:2 FTS (146%). The associated results are non-detect. No qualification is necessary.

L2144683

The LCS for batch WG153833 exhibited percent recoveries above the UCL for PFHpS (140%) and 8:2 FTS (158%). The associated results are non-detect. No qualification is necessary.

L2145462

The LCS for batch WG1539386 exhibited a percent recovery above the UCL for 8:2 FTS (143%). The associated results are non-detect. No qualification is necessary.

The MS performed on sample EP06_2 exhibited a percent recovery above the UCL for PFTrDA (141%). The associated results are non-detect. No qualification is necessary.

L2146746

The LCS for batch WG1543838 exhibited a percent recovery above the UCL for 8:2 FTS (140%). The associated results are non-detect. No qualification is necessary.

L2155073

The FB (PFB14_100821) exhibited a detection of 6:2 FTS (1.22 ng/L). The associated results are non-detect. No qualification is necessary.

Pesticides by SW-846 Method 8081A

L2141429

Sample EP02_2 exhibited a percent recovery above control limits for the internal standard 1-bromo-2-nitrobenzene (240%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP02_2 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (27%). No associated results are reported from the corresponding column. No qualification is necessary.

L2141710

Sample EP07_2 exhibited percent recoveries below the LCL for the surrogates tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%). The sample was diluted >10X. No qualification is necessary.

L2144125

Sample EP25_2 exhibited a percent recovery above the UCL for the surrogate tetrachloro-m-xylene (164%). The associated results are non-detect. No qualification is necessary.

L2144683

Sample EP37_2 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (3%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP31_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (260%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP37_2 exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (810%). No associated results are reported from the corresponding column. No qualification is necessary.

L2145462

Sample EP18_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (158%). No associated results are reported from the corresponding column. No qualification is necessary.

L2145663

Sample EP17_2 exhibited a percent recovery above the UCL for the surrogate tetrachloro-m-xylene (960%). The associated results are non-detect. No qualification is necessary.

L2146522

Sample EP10_2 exhibited percent recoveries below the LCL for the surrogates tetrachloro-m-xylene (27%) and decachlorobiphenyl (14%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPDUP01_083021 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (27%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP16_8 exhibited percent recoveries below the LCL for the surrogates tetrachloro-m-xylene (29%) and decachlorobiphenyl (21%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP22_8 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (20%). No associated results are reported from the corresponding column. No qualification is necessary.

The MS/MSD performed on sample EP16_8 exhibited a percent recovery above the UCL for trans-chlordane (14000%, 13500%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Sample EP10_2 exhibited a percent recovery below the LCL for the internal standard 1-bromo-2-nitrobenzene (420%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPDUP01_083021 exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (247%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP16_8 exhibited a exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (307%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP22_8 exhibited a exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (345%). No associated results are reported from the corresponding column. No qualification is necessary.

L2148919

Sample EP29_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (283%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP35_5 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (644%). No associated results are reported from the corresponding column. No qualification is necessary.

L2149995

Sample EP41_9 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (484%, 451%). The associated results are non-detect. No qualification is necessary.

L2151575

Sample EP46_4 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (254%). The associated results are non-detect. No qualification is necessary.

Sample EP47_4 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (350%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP40_5 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (309%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP38_9 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (214%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP46_4 exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (5918%). No associated results are reported from the corresponding column. No qualification is necessary.

L2153818

Sample EPSW05 exhibited percent recoveries below the LCL for the surrogates tetrachloro-m-xylene (13%) and decachlorobiphenyl (23%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPSW05 exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (614%). No associated results are reported from the corresponding column. No qualification is necessary.

L2157422

Sample EP21_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (215%). No associated results are reported from the corresponding column. No qualification is necessary.

L2158256

Sample EP43_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (339%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP44_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (425%). No associated results are reported from the corresponding column. No qualification is necessary.

L2160379

Sample EP27_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (210%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP28_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (249%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EP34_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (271%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPDUP02_110321 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (220%, 878%). The associated results are non-detect. No qualification is necessary.

L2161589

Sample EPSW12 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (281%). The sample was diluted >10X. No qualification is necessary.

L2166485

Sample EP39_2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (225%). No associated results are reported from the corresponding column. No qualification is necessary.

The MS/MSD performed on sample EP45_2 exhibited a percent recovery below the LCL for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

PCBs by SW-846 Method 8082A

L2141429

The CCV analyzed on 8/6/2021 at 07:32 exhibited a %D above the control limit for PCB-1260 (18.14%). No associated PCB-1260 results are reported from the corresponding column. No qualification is necessary.

L2161589

Sample EPSW14 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (208%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPSW12 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (179%). No associated results are reported from the corresponding column. No qualification is necessary.

L2163745

Sample EPSW11 exhibited percent recoveries below the LCL for the surrogates tetrachloro-m-xylene (5%) and decachlorobiphenyl (6%). No associated results are reported from the corresponding column. No qualification is necessary.

Sample EPSW11 exhibited a percent recovery above the UCL for the internal standard 1-bromo-2-nitrobenzene (1395%). No associated results are reported from the corresponding column. No qualification is necessary.

Herbicides by SW-846 Method 8151A

L2142763

The CCV analyzed on 8/16/2021 at 09:30 exhibited a %D above the control limit for 2,4-d (15.8%). No associated results are reported from the corresponding column. No qualification is necessary.

L2161589

Sample EPSW14 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (29%). No associated results are reported from the corresponding column. No qualification is necessary.

L2163745

The sample EPSW10 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (0%). The sample was diluted >10X. No qualification is necessary.

Metals by SW-846 Methods 6010D/7471B

L2141429

The MB for batch WG1531624 exhibited detections of chromium (0.128 mg/kg), iron (0.68 mg/kg), manganese (0.108 mg/kg), sodium (2.45 mg/kg), and vanadium (0.128 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2141710

The MB for batch WG1531850 exhibited a detection of sodium (2.18 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2142763

The MB for batch WG1533957 exhibited a detection of sodium (1.93 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample EP05_2 exhibited percent recoveries below the LCL for iron (0%), aluminum (0%), arsenic (0%), calcium (0%), copper (0%), lead (0%), magnesium (0%), manganese (0%), and zinc (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample EP05_2 exhibited percent recoveries below the LCL for iron (0%), aluminum (0%), arsenic (0%), calcium (0%), copper (0%), lead (0%), magnesium (0%), manganese (0%), and zinc (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample EP05_2 exhibited a percent recovery above the UCL for mercury (308%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

L2143089

The MB for batch WG1534546 exhibited a detection of sodium (6.78 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2144125

The MB for batch WG1536611 exhibited a detection of potassium (18.1 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2144683

The MB for batch WG1538060 exhibited detections of copper (0.12 mg/kg) and sodium (1.88 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2145462

The MB for batch WG1539301 exhibited a detection of iron (0.648 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2145663

The MB for batch WG1539536 exhibited detections of chromium (0.108 mg/kg), iron (1.84 mg/kg), manganese (0.112 mg/kg), potassium (7.77 mg/kg), and sodium (12.8 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2146522

The MB for batch WG1541207 exhibited a detection of iron (0.868 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample EP16_8 exhibited percent recoveries outside of control limits for aluminum (386%, 481%), calcium (0%), iron (0%, 842%), lead (159%, 744%), and magnesium (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample EP16_8 exhibited percent recoveries below the LCL for aluminum (65%), calcium (0%), iron (0%), and magnesium (59%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

L2148919

The MB for batch WG1545759 exhibited a detection of sodium (2.81 mg/kg). The associated results in samples EP29_2 and EP35_5 are qualified as U at the reporting limit because of potential blank contamination.

L2149995

The MS performed on sample EP41_9 exhibited percent recoveries outside of control limits for aluminum (571%), calcium (0%), iron (4250%), lead (135%), magnesium (0%), manganese (318%), and zinc (264%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample EP41_9 exhibited a percent recovery below the LCL for copper (69%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample EP41_9 exhibited a percent recovery below the LCL for mercury (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

L2151575

The MB for batch WG1551312 exhibited detections of iron (0.68 mg/kg), lead (0.156 mg/kg), and potassium (8.02 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2153818

The MB for batch WG1554605 exhibited detections of chromium (0.052 mg/kg), iron (1.4 mg/kg), and manganese (0.064 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2155073

The MB for batch WG1557099 exhibited detections of arsenic (0.228 mg/kg), chromium (0.056 mg/kg), and iron (0.364 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2157422

The MB for batch WG1562029 exhibited a detection of sodium (2.52 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2158256

The MB for batch WG1563319 exhibited detections of manganese (0.136 mg/kg) and sodium (11.9 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2160379

The MS/MSD performed on sample EP28_2 exhibited percent recoveries outside of control limits for aluminum (443%, 453%), calcium (0%), iron (1150%, 1060%), lead (72%, 135%), manganese (159%, 224%), and zinc (154%, 195%) and exhibited RPD outside of control limits for for calcium (22%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample EP28_2 exhibited a percent recovery below the LCL for mercury (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

L2161589

The FB (EPFB01_110921) exhibited detections of calcium (0.0687 mg/L) and iron (0.0199 mg/L). The associated results are >10X the contamination. No qualification is necessary.

L2166485

The MS/MSD performed on sample EP45_2 exhibited percent recoveries outside of control limits for aluminum (43%, 280%), calcium (0%), iron (0%, 516%), lead (36%, 267%), manganese (54%), and zinc (2760%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample EP45_2 exhibited percent recoveries outside of control limits for mercury (262%, 0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

FIELD DUPLICATE:

Three field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±2X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- EPDUP01_083021 and EP10_2
- EPDUP02_110321 and EP28_2
- EPDUP03_120221 and EP39_2

The field duplicate and parent sample (EPDUP01_083021 and EP10_2) exhibited RPDs above the control limit for calcium (60.4%) and magnesium (54.6%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (EPDUP02_110321 and EP28_2) exhibited RPDs above the control limit for arsenic (104%), cadmium (96.8%), calcium (78%), cobalt (55.7%), iron (82.4%), manganese (52.4%), zinc (61.6%), mercury (92.6%), acenaphthene (115.8%), anthracene (111.5%), benzo(a)anthracene (84.6%), benzo(a)pyrene (76.4%), benzo(b)fluoranthene (70.6%), benzo(g,h,i)perylene (70.3%), benzo(k)fluoranthene (74.7%), carbazole (85.7%), chrysene (71.4%), fluoranthene (82.1%), fluorene (97%), indeno(1,2,3-cd)pyrene (66.7%), naphthalene (104.3%), phenanthrene (91.4%), and pyrene (84.8%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (EPDUP03_120221 and EP39_2) exhibited RPDs above the control limit for arsenic (58.6%), barium (110.3%), chromium (56.3%), copper (87%), lead (113.9%), manganese (64.6%), selenium (194.9%), zinc (54.8%), chromium III (51.4%), PFHxS (137%), PFOS (139.3%), mercury (112.2%), chlordane (142.5%), cis-chlordane (130.7%), dieldrin

(130.4%), 4,4'-DDE (157.1%), 4,4'-DDT (118.7%), trans-chlordane (141.5%), acetone (126.3%), acenaphthene (167.7%), anthracene (154.8%), benzo(a)anthracene (146.8%), benzo(a)pyrene (136.7%), benzo(b)fluoranthene (152%), benzo(g,h,i)perylene (131.7%), benzo(k)fluoranthene (136.1%), bis(2-ethylhexyl) phthalate (136.2%), chrysene (147.3%), dibenz(a,h)anthracene (145.8%), fluoranthene (134.4%), fluorene (165.7%), indeno(1,2,3-c,d)pyrene (133.3%), phenanthrene (159.7%), and pyrene (143.4%). The associated results are qualified as J or UJ because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 45 Commerical Street - Endpoint Sampling
August - December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2141429	L2141429-01	EP01_2	8/3/2021	Tier 2	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2141429	L2141429-02	EP02_2	8/3/2021	Tier 2	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2141429	L2141429-03	PFB01_083021	8/3/2021	Tier 2	PFAS
L2141710	L2141710-01	EP07_2	8/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2141710	L2141710-02	EP08_2	8/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2141710	L2141710-03	EP13_2	8/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2141710	L2141710-04	EP14_2	8/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2142103	L2142103-01	EP19_2	8/5/2021	Tier 2	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2142543	L2142543-01	EP20_4	8/9/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2142543	L2142543-02	PFB02_080921	8/9/2021	Tier 1	PFAS
L2142763	L2142763-01	EP05_2	8/10/2021	Tier 2	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2143089	L21423089-01	EP04_2	8/11/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2143089	L21423089-02	PFB03_081121	8/11/2021	Tier 1	PFAS
L2144125	L2144125-01	EP25_2	8/17/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144125	L2144125-02	EP26_2	8/17/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144125	L2144125-03	EP33_2	8/17/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144125	L2144125-04	PFB04_081721	8/17/2021	Tier 1	PFAS

Data Usability Summary Report
For 45 Commerical Street - Endpoint Sampling
August - December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2144683	L2144683-01	EP37_2	8/19/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144683	L2144683-02	EP31_2	8/19/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144683	L2144683-03	EP32_2	8/19/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144683	L2144683-04	EP03_2	8/19/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144683	L2144683-05	EP09_2	8/19/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2144683	L2144683-06	PFB05_081921	8/19/2021	Tier 1	PFAS
L2145462	L2145462-01	EP06_2	8/24/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2145462	L2145462-02	EP12_2	8/24/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2145462	L2145462-03	EP18_2	8/24/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2145462	L2145462-04	PFB06_082421	8/24/2021	Tier 1	PFAS
L2145663	L2145663_01	EP11_2	8/25/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2145663	L2145663_02	EP17_2	8/25/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2145663	L2145663_03	PFB07_082521	8/25/2021	Tier 1	PFAS
L2146522	L2146522-01	EP10_2	8/30/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2146522	L2146522-02	EPDUP01_083021	8/30/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2146522	L2146522-03	EP16_8	8/30/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium

Data Usability Summary Report
For 45 Commerical Street - Endpoint Sampling
August - December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2146522	L2146522-04	EP22_8	8/30/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2146522	L2146522-05	PFB08_083021	8/30/2021	Tier 1	PFAS
L2146746	L2146746-01	EP23_8	8/31/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2146746	L2146746-02	EP24_2	8/31/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2146746	L2146746-03	PFB09_083121	8/31/2021	Tier 1	PFAS
L2148919	L2148919-01	EP29_2	9/10/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2148919	L2148919-02	EP35_5	9/10/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2148919	L2148919-03	PFB10_091021	9/10/2021	Tier 1	PFAS
L2149995	L2149995-01	EP41_9	9/16/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2149995	L2149995-02	PFB11_091621	9/16/2021	Tier 1	PFAS
L2151575	L2151575-01	EP46_4	9/23/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2151575	L2151575-02	EP47_4	9/23/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2151575	L2151575-03	EP40_5	9/23/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2151575	L2151575-04	PFB12_092321	9/23/2021	Tier 1	PFAS
L2151575	L2151575-05	EP38_9	9/23/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-01	EPSW07	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-02	EPSW06	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-03	EPSW05	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium

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SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2153818	L2153818-04	EPSW03	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-05	EPSW02	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-06	EPSW01	10/4/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2153818	L2153818-07	PFB13_100421	10/4/2021	Tier 1	PFAS
L2155073	L2155073-01	EP30_2	10/8/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2155073	L2155073-02	EP36_2	10/8/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2155073	L2155073-03	EP42_2	10/8/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2155073	L2155073-04	PFB14_100821	10/8/2021	Tier 1	PFAS
L2155325	L2155325-01	EP48_2	10/11/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2155325	L2155325-02	PFB15_101121	10/11/2021	Tier 1	PFAS
L2157422	L2157422-01	EP15_2	10/20/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2157422	L2157422-02	EP21_2	10/20/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2157422	L2157422-03	PFB16_102021	10/20/2021	Tier 1	PFAS
L2158256	L2158256-01	EP43_2	10/25/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2158256	L2158256-02	EP44_2	10/25/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2158256	L2158256-03	PFB17_102521	10/25/2021	Tier 1	PFAS
L2160379	L2160379-01	EP27_2	11/3/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium, Cyanide

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SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2160379	L2160379-02	EP28_2	11/3/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium, Cyanide
L2160379	L2160379-03	EP34_2	11/3/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium, Cyanide
L2160379	L2160379-04	PFB18_110321	11/3/2021	Tier 1	PFAS
L2160379	L2160379-05	EPDUP02_110321	11/3/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium, Cyanide
L2161589	L2161589-01	EPSW14	11/9/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2161589	L2161589-02	EPSW13	11/9/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2161589	L2161589-03	EPSW12	11/9/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2161589	L2161589-04	PFB19_110921	11/9/2021	Tier 1	PFAS
L2161589	L2161589-05	EPFB01_110921	11/9/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, Hexavalent Chromium
L2163745	L2163745-01	EPSW11	11/18/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2163745	L2163745-02	EPSW10	11/18/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2163745	L2163745-03	EPSW09	11/18/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2163745	L2163745-04	EPSW08	11/18/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2163745	L2163745-05	PFB20_111821	11/18/2021	Tier 1	PFAS
L2163745	L2163745-06	EPFB02_111821	11/18/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, Hexavalent Chromium

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Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2166485	L2166485-01	EPSW04	12/2/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2166485	L2166485-02	EP45_2	12/2/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2166485	L2166485-03	EP39_2	12/2/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2166485	L2166485-04	EPDUP03_120221	12/2/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, PFAS, Metals, Hexavalent Chromium
L2166485	L2166485-05	PFB22_120221	12/2/2021	Tier 1	PFAS
L2166485	L2166485-06	EPFB03_120221	12/2/2021	Tier 1	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, Hexavalent Chromium

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2141429	EP01_2	SW8081B	72-54-8	4,4'-DDD	J
L2141429	EP01_2	SW8081B	72-55-9	4,4'-DDE	J
L2141429	EP01_2	SW8081B	57-74-9	Chlordane	J
L2141429	EP01_2	SW8081B	72-43-5	Methoxychlor	UJ
L2141429	EP01_2	SW8081B	8001-35-2	Toxaphene	UJ
L2141429	EP01_2	SW8081B	5103-71-9	cis-Chlordane	J
L2141429	EP01_2	SW8081B	5103-74-2	trans-Chlordane	J
L2141429	EP01_2	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
L2141429	EP01_2	SW8260C	123-91-1	1,4-Dioxane	UJ
L2141429	EP01_2	SW8260C	78-93-3	2-Butanone	UJ
L2141429	EP01_2	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2141429	EP01_2	SW8260C	107-13-1	Acrylonitrile	UJ
L2141429	EP01_2	SW8260C	75-15-0	Carbon Disulfide	UJ
L2141429	EP01_2	SW8260C	74-87-3	Chloromethane	UJ
L2141429	EP01_2	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2141429	EP01_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2141429	EP01_2	SW8270D	88-74-4	2-Nitroaniline	UJ
L2141429	EP01_2	SW8270D	88-75-5	2-Nitrophenol	UJ
L2141429	EP01_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2141429	EP01_2	SW8270D	100-02-7	4-Nitrophenol	UJ
L2141429	EP01_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2141429	EP01_2	SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	UJ
L2141429	EP01_2	SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	J
L2141429	EP01_2	SW8270D	85-68-7	Benzyl Butyl Phthalate	UJ
L2141429	EP01_2	SW8270D	117-84-0	Di-N-Octylphthalate	UJ
L2141429	EP02_2	SW8081B	72-54-8	4,4'-DDD	J
L2141429	EP02_2	SW8081B	72-55-9	4,4'-DDE	J
L2141429	EP02_2	SW8081B	50-29-3	4,4'-DDT	J
L2141429	EP02_2	SW8081B	57-74-9	Chlordane	J
L2141429	EP02_2	SW8081B	72-43-5	Methoxychlor	UJ
L2141429	EP02_2	SW8081B	8001-35-2	Toxaphene	UJ
L2141429	EP02_2	SW8081B	5103-71-9	cis-Chlordane	J
L2141429	EP02_2	SW8081B	5103-74-2	trans-Chlordane	J
L2141429	EP02_2	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
L2141429	EP02_2	SW8260C	123-91-1	1,4-Dioxane	UJ
L2141429	EP02_2	SW8260C	78-93-3	2-Butanone	UJ
L2141429	EP02_2	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2141429	EP02_2	SW8260C	107-13-1	Acrylonitrile	UJ
L2141429	EP02_2	SW8260C	75-15-0	Carbon Disulfide	UJ
L2141429	EP02_2	SW8260C	74-87-3	Chloromethane	UJ
L2141429	EP02_2	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2141429	EP02_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2141429	EP02_2	SW8270D	88-74-4	2-Nitroaniline	UJ
L2141429	EP02_2	SW8270D	88-75-5	2-Nitrophenol	UJ

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2141429	EP02_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2141429	EP02_2	SW8270D	100-02-7	4-Nitrophenol	UJ
L2141429	EP02_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2141429	EP02_2	SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	UJ
L2141429	EP02_2	SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	J
L2141429	EP02_2	SW8270D	85-68-7	Benzyl Butyl Phthalate	UJ
L2141429	EP02_2	SW8270D	117-84-0	Di-N-Octylphthalate	UJ
L2141710	EP07_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2141710	EP07_2	SW7471B	7439-97-6	Mercury	J
L2141710	EP07_2	SW8260C	78-93-3	2-Butanone	UJ
L2141710	EP07_2	E537(M)	335-67-1	PFOA	J
L2141710	EP08_2	SW8081B	72-54-8	4,4'-DDD	J
L2141710	EP08_2	SW8081B	72-55-9	4,4'-DDE	J
L2141710	EP08_2	SW8081B	50-29-3	4,4'-DDT	J
L2141710	EP08_2	SW8081B	1024-57-3	Heptachlor Epoxide	J
L2141710	EP08_2	SW8081B	5103-74-2	trans-Chlordane	J
L2141710	EP08_2	SW8260C	78-93-3	2-Butanone	UJ
L2141710	EP13_2	SW8081B	72-55-9	4,4'-DDE	J
L2141710	EP13_2	SW8260C	78-93-3	2-Butanone	UJ
L2141710	EP14_2	SW8081B	72-55-9	4,4'-DDE	J
L2141710	EP14_2	SW8081B	5103-71-9	cis-Chlordane	J
L2141710	EP14_2	SW8260C	78-93-3	2-Butanone	UJ
L2142103	EP19_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2142103	EP19_2	SW8260C	78-93-3	2-Butanone	UJ
L2142103	EP19_2	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2142103	EP19_2	SW8260C	75-15-0	Carbon Disulfide	UJ
L2142103	EP19_2	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2142103	EP19_2	SW8260C	75-09-2	Methylene Chloride	UJ
L2142103	EP19_2	SW8260C	75-01-4	Vinyl Chloride	UJ
L2142103	EP19_2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2142543	EP20_4	SW8081B	7421-93-4	Endrin Aldehyde	UJ
L2142543	EP20_4	SW8260C	630-20-6	1,1,1,2-Tetrachloroethane	UJ
L2142543	EP20_4	SW8260C	71-55-6	1,1,1-Trichloroethane	UJ
L2142543	EP20_4	SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	UJ
L2142543	EP20_4	SW8260C	79-00-5	1,1,2-Trichloroethane	UJ
L2142543	EP20_4	SW8260C	75-34-3	1,1-Dichloroethane	UJ
L2142543	EP20_4	SW8260C	75-35-4	1,1-Dichloroethene	UJ
L2142543	EP20_4	SW8260C	563-58-6	1,1-Dichloropropene	UJ
L2142543	EP20_4	SW8260C	87-61-6	1,2,3-Trichlorobenzene	UJ
L2142543	EP20_4	SW8260C	96-18-4	1,2,3-Trichloropropane	UJ
L2142543	EP20_4	SW8260C	95-93-2	1,2,4,5-Tetramethylbenzene	UJ
L2142543	EP20_4	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
L2142543	EP20_4	SW8260C	95-63-6	1,2,4-Trimethylbenzene	UJ
L2142543	EP20_4	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2142543	EP20_4	SW8260C	106-93-4	1,2-Dibromoethane	UJ
L2142543	EP20_4	SW8260C	95-50-1	1,2-Dichlorobenzene	UJ
L2142543	EP20_4	SW8260C	107-06-2	1,2-Dichloroethane	UJ
L2142543	EP20_4	SW8260C	540-59-0	Total Dichloroethene	UJ
L2142543	EP20_4	SW8260C	78-87-5	1,2-Dichloropropane	UJ
L2142543	EP20_4	SW8260C	108-67-8	1,3,5-Trimethylbenzene	UJ
L2142543	EP20_4	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
L2142543	EP20_4	SW8260C	142-28-9	1,3-Dichloropropane	UJ
L2142543	EP20_4	SW8260C	542-75-6	Total, 1,3-Dichloropropene	UJ
L2142543	EP20_4	SW8260C	106-46-7	1,4-Dichlorobenzene	UJ
L2142543	EP20_4	SW8260C	123-91-1	1,4-Dioxane	UJ
L2142543	EP20_4	SW8260C	594-20-7	2,2-Dichloropropane	UJ
L2142543	EP20_4	SW8260C	78-93-3	2-Butanone	UJ
L2142543	EP20_4	SW8260C	591-78-6	2-Hexanone	UJ
L2142543	EP20_4	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2142543	EP20_4	SW8260C	67-64-1	Acetone	UJ
L2142543	EP20_4	SW8260C	107-13-1	Acrylonitrile	UJ
L2142543	EP20_4	SW8260C	71-43-2	Benzene	UJ
L2142543	EP20_4	SW8260C	108-86-1	Bromobenzene	UJ
L2142543	EP20_4	SW8260C	74-97-5	Bromochloromethane	UJ
L2142543	EP20_4	SW8260C	75-27-4	Bromodichloromethane	UJ
L2142543	EP20_4	SW8260C	75-25-2	Bromoform	UJ
L2142543	EP20_4	SW8260C	74-83-9	Bromomethane	UJ
L2142543	EP20_4	SW8260C	75-15-0	Carbon Disulfide	UJ
L2142543	EP20_4	SW8260C	56-23-5	Carbon Tetrachloride	UJ
L2142543	EP20_4	SW8260C	108-90-7	Chlorobenzene	UJ
L2142543	EP20_4	SW8260C	75-00-3	Chloroethane	UJ
L2142543	EP20_4	SW8260C	67-66-3	Chloroform	UJ
L2142543	EP20_4	SW8260C	74-87-3	Chloromethane	UJ
L2142543	EP20_4	SW8260C	124-48-1	Dibromochloromethane	UJ
L2142543	EP20_4	SW8260C	74-95-3	Dibromomethane	UJ
L2142543	EP20_4	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2142543	EP20_4	SW8260C	60-29-7	Diethyl Ether	UJ
L2142543	EP20_4	SW8260C	100-41-4	Ethylbenzene	UJ
L2142543	EP20_4	SW8260C	87-68-3	Hexachlorobutadiene	UJ
L2142543	EP20_4	SW8260C	98-82-8	Isopropylbenzene	UJ
L2142543	EP20_4	SW8260C	1634-04-4	Tert-Butyl Methyl Ether	UJ
L2142543	EP20_4	SW8260C	75-09-2	Methylene Chloride	UJ
L2142543	EP20_4	SW8260C	91-20-3	Naphthalene	UJ
L2142543	EP20_4	SW8260C	100-42-5	Styrene	UJ
L2142543	EP20_4	SW8260C	127-18-4	Tetrachloroethene	UJ
L2142543	EP20_4	SW8260C	108-88-3	Toluene	UJ
L2142543	EP20_4	SW8260C	79-01-6	Trichloroethene	UJ
L2142543	EP20_4	SW8260C	75-69-4	Trichlorofluoromethane	UJ

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2142543	EP20_4	SW8260C	108-05-4	Vinyl Acetate	UJ
L2142543	EP20_4	SW8260C	75-01-4	Vinyl Chloride	UJ
L2142543	EP20_4	SW8260C	1330-20-7	Xylenes	UJ
L2142543	EP20_4	SW8260C	156-59-2	Cis-1,2-Dichloroethene	UJ
L2142543	EP20_4	SW8260C	10061-01-5	Cis-1,3-Dichloropropene	UJ
L2142543	EP20_4	SW8260C	104-51-8	N-Butylbenzene	UJ
L2142543	EP20_4	SW8260C	103-65-1	N-Propylbenzene	UJ
L2142543	EP20_4	SW8260C	95-49-8	2-Chlorotoluene	UJ
L2142543	EP20_4	SW8260C	95-47-6	O-Xylene	UJ
L2142543	EP20_4	SW8260C	106-43-4	4-Chlorotoluene	UJ
L2142543	EP20_4	SW8260C	105-05-5	1,4-Diethyl Benzene	UJ
L2142543	EP20_4	SW8260C	622-96-8	4-Ethyltoluene	UJ
L2142543	EP20_4	SW8260C	99-87-6	Cymene	UJ
L2142543	EP20_4	SW8260C	179601-23-1	m,p-Xylene	UJ
L2142543	EP20_4	SW8260C	135-98-8	Sec-Butylbenzene	UJ
L2142543	EP20_4	SW8260C	98-06-6	T-Butylbenzene	UJ
L2142543	EP20_4	SW8260C	156-60-5	Trans-1,2-Dichloroethene	UJ
L2142543	EP20_4	SW8260C	10061-02-6	Trans-1,3-Dichloropropene	UJ
L2142543	EP20_4	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
L2142763	EP05_2	6010D	7429-90-5	Aluminum	J
L2142763	EP05_2	6010D	7440-36-0	Antimony	J
L2142763	EP05_2	6010D	7440-38-2	Arsenic	J
L2142763	EP05_2	6010D	7440-39-3	Barium	J
L2142763	EP05_2	6010D	7440-41-7	Beryllium	J
L2142763	EP05_2	6010D	7440-70-2	Calcium	J
L2142763	EP05_2	6010D	7440-47-3	Chromium	J
L2142763	EP05_2	6010D	7440-48-4	Cobalt	J
L2142763	EP05_2	6010D	7440-50-8	Copper	J
L2142763	EP05_2	6010D	7439-89-6	Iron	J
L2142763	EP05_2	6010D	7439-92-1	Lead	J
L2142763	EP05_2	6010D	7439-95-4	Magnesium	J
L2142763	EP05_2	6010D	7439-96-5	Manganese	J
L2142763	EP05_2	6010D	7440-02-0	Nickel	J
L2142763	EP05_2	6010D	7440-09-7	Potassium	J
L2142763	EP05_2	6010D	7440-23-5	Sodium	J
L2142763	EP05_2	6010D	7440-28-0	Thallium	UJ
L2142763	EP05_2	6010D	7440-62-2	Vanadium	J
L2142763	EP05_2	6010D	7440-66-6	Zinc	J
L2142763	EP05_2	SW8260C	75-35-4	1,1-Dichloroethene	UJ
L2142763	EP05_2	SW8260C	78-93-3	2-Butanone	UJ
L2142763	EP05_2	SW8260C	591-78-6	2-Hexanone	UJ
L2142763	EP05_2	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2142763	EP05_2	SW8260C	107-13-1	Acrylonitrile	UJ
L2142763	EP05_2	SW8260C	75-15-0	Carbon Disulfide	UJ

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2142763	EP05_2	SW8260C	74-87-3	Chloromethane	UJ
L2142763	EP05_2	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2142763	EP05_2	SW8260C	75-01-4	Vinyl Chloride	UJ
L2142763	EP05_2	SW8260C	95-49-8	2-Chlorotoluene	UJ
L2142763	EP05_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2142763	EP05_2	E537(M)	307-24-4	PFHxA	U(0.526)
L2143089	EP04_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2143089	EP04_2	SW8081B	50-29-3	4,4'-DDT	J
L2144125	EP25_2	6010D	7440-23-5	Sodium	J
L2144125	EP25_2	SW7471B	7439-97-6	Mercury	J
L2144125	EP25_2	SW8081B	72-54-8	4,4'-DDD	J
L2144125	EP26_2	SW8081B	72-54-8	4,4'-DDD	J
L2144125	EP33_2	6010D	7440-23-5	Sodium	U(163)
L2144125	EP33_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2144125	EP33_2	SW8081B	72-54-8	4,4'-DDD	J
L2144683	EP37_2	SW8260C	87-61-6	1,2,3-Trichlorobenzene	U(2.3)
L2144683	EP37_2	SW8260C	120-82-1	1,2,4-Trichlorobenzene	J
L2144683	EP37_2	SW8260C	78-93-3	2-Butanone	UJ
L2144683	EP37_2	SW8260C	91-20-3	Naphthalene	U(4.5)
L2144683	EP37_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2144683	EP31_2	SW8260C	78-93-3	2-Butanone	UJ
L2144683	EP31_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2144683	EP31_2	E537(M)	754-91-6	FOSA	UJ
L2144683	EP32_2	SW8081B	5103-74-2	trans-Chlordane	J
L2144683	EP32_2	SW8260C	78-93-3	2-Butanone	UJ
L2144683	EP32_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2144683	EP32_2	E537(M)	754-91-6	FOSA	UJ
L2144683	EP03_2	SW8260C	78-93-3	2-Butanone	UJ
L2144683	EP03_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2144683	EP03_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2144683	EP09_2	SW8260C	78-93-3	2-Butanone	UJ
L2144683	EP09_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2144683	EP09_2	E537(M)	754-91-6	FOSA	UJ
L2145462	EP06_2	SW7471B	7439-97-6	Mercury	J
L2145462	EP06_2	SW8081B	5103-71-9	cis-Chlordane	J
L2145462	EP06_2	SW8081B	5103-74-2	trans-Chlordane	J
L2145462	EP12_2	SW8081B	5103-74-2	trans-Chlordane	J
L2145462	EP18_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2145462	EP18_2	E537(M)	375-73-5	PFBS	UJ
L2145462	EP18_2	E537(M)	375-22-4	PFBA	J
L2145462	EP18_2	E537(M)	335-76-2	PFDA	J
L2145462	EP18_2	E537(M)	375-85-9	PFHpA	UJ
L2145462	EP18_2	E537(M)	355-46-4	PFHxS	UJ
L2145462	EP18_2	E537(M)	307-24-4	PFHxA	J

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L2145462	EP18_2	E537(M)	375-95-1	PFNA	J
L2145462	EP18_2	E537(M)	1763-23-1	PFOS	J
L2145462	EP18_2	E537(M)	335-67-1	PFOA	J
L2145462	EP18_2	E537(M)	2706-90-3	PFPeA	J
L2145462	EP18_2	E537(M)	2058-94-8	PFUnA	J
L2145663	EP11_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2145663	EP17_2	SW7196A	18540-29-9	Hexavalent Chromium	J
L2145663	EP17_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2145663	EP17_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2145663	EP17_2	E537(M)	375-73-5	PFBS	UJ
L2145663	EP17_2	E537(M)	355-46-4	PFHxS	UJ
L2145663	EP17_2	E537(M)	375-95-1	PFNA	UJ
L2145663	EP17_2	E537(M)	754-91-6	FOSA	UJ
L2145663	EP17_2	E537(M)	1763-23-1	PFOS	UJ
L2145663	EP17_2	E537(M)	335-67-1	PFOA	UJ
L2145663	EP17_2	E537(M)	376-06-7	PFTA	UJ
L2146522	EP10_2	6010D	7440-70-2	Calcium	J
L2146522	EP10_2	6010D	7439-95-4	Magnesium	J
L2146522	EP10_2	SW8081B	72-54-8	4,4'-DDD	J
L2146522	EP10_2	SW8081B	72-55-9	4,4'-DDE	J
L2146522	EP10_2	SW8260C	591-78-6	2-Hexanone	UJ
L2146522	EP10_2	SW8270D	108-95-2	Phenol	J
L2146522	EP16_8	6010D	7440-38-2	Arsenic	J
L2146522	EP16_8	6010D	7440-50-8	Copper	J
L2146522	EP16_8	6010D	7439-96-5	Manganese	J
L2146522	EP16_8	6010D	7440-66-6	Zinc	J
L2146522	EP16_8	SW7471B	7439-97-6	Mercury	J
L2146522	EP16_8	SW8260C	591-78-6	2-Hexanone	UJ
L2146522	EP22_8	6010D	7440-23-5	Sodium	U(161)
L2146522	EP22_8	SW8260C	591-78-6	2-Hexanone	UJ
L2146522	EPDUP01_083021	6010D	7440-70-2	Calcium	J
L2146522	EPDUP01_083021	6010D	7439-95-4	Magnesium	J
L2146522	EPDUP01_083021	SW8081B	72-54-8	4,4'-DDD	J
L2146522	EPDUP01_083021	SW8081B	72-55-9	4,4'-DDE	J
L2146522	EPDUP01_083021	SW8260C	591-78-6	2-Hexanone	UJ
L2146522	EP16_8	6010D	7439-92-1	Lead	J
L2146746	EP23_8	SW8260C	591-78-6	2-Hexanone	UJ
L2146746	EP23_8	E537(M)	375-85-9	PFHpA	UJ
L2146746	EP24_2	SW8260C	591-78-6	2-Hexanone	UJ
L2148919	EP29_2	6010D	7440-23-5	Sodium	U(169)
L2148919	EP29_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2148919	EP29_2	E537(M)	375-85-9	PFHpA	J
L2148919	EP35_5	6010D	7440-23-5	Sodium	U(180)
L2148919	EP35_5	SW8270D	123-91-1	1,4-Dioxane	UJ

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L2149995	EP41_9	6010D	7440-36-0	Antimony	J
L2149995	EP41_9	6010D	7440-50-8	Copper	J
L2149995	EP41_9	6010D	7439-92-1	Lead	J
L2149995	EP41_9	6010D	7439-95-4	Magnesium	J
L2149995	EP41_9	6010D	7439-96-5	Manganese	J
L2149995	EP41_9	6010D	7440-28-0	Thallium	UJ
L2149995	EP41_9	6010D	7440-66-6	Zinc	J
L2149995	EP41_9	SW8260C	107-13-1	Acrylonitrile	UJ
L2149995	EP41_9	SW8270D	65-85-0	Benzoic Acid	UJ
L2149995	EP41_9	SW8270D	108-95-2	Phenol	J
L2151575	EP46_4	6010D	7440-23-5	Sodium	U(169)
L2151575	EP46_4	E537(M)	2991-50-6	NEtFOSAA	UJ
L2151575	EP46_4	E537(M)	2355-31-9	NMeFOSAA	UJ
L2151575	EP46_4	E537(M)	335-76-2	PFDA	J
L2151575	EP46_4	E537(M)	375-85-9	PFHpA	J
L2151575	EP46_4	E537(M)	307-24-4	PFHxA	J
L2151575	EP46_4	E537(M)	1763-23-1	PFOS	J
L2151575	EP46_4	E537(M)	335-67-1	PFOA	J
L2151575	EP47_4	6010D	7440-23-5	Sodium	U(170)
L2151575	EP47_4	E537(M)	2991-50-6	NEtFOSAA	UJ
L2151575	EP47_4	E537(M)	2355-31-9	NMeFOSAA	UJ
L2151575	EP47_4	E537(M)	2058-94-8	PFUnA	J
L2151575	EP38_9	6010D	7440-23-5	Sodium	U(216)
L2153818	EPSW07	6010D	7440-23-5	Sodium	U(168)
L2153818	EPSW07	SW8081B	50-29-3	4,4'-DDT	J
L2153818	EPSW07	SW8081B	60-57-1	Dieldrin	J
L2153818	EPSW07	SW8081B	1024-57-3	Heptachlor Epoxide	J
L2153818	EPSW07	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW07	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW07	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW07	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW07	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW07	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2153818	EPSW06	6010D	7440-23-5	Sodium	U(168)
L2153818	EPSW06	SW8081B	309-00-2	Aldrin	J
L2153818	EPSW06	SW8081B	5103-71-9	cis-Chlordane	J
L2153818	EPSW06	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW06	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW06	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW06	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW06	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW06	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2153818	EPSW05	6010D	7440-23-5	Sodium	U(168)
L2153818	EPSW05	SW8081B	72-55-9	4,4'-DDE	J

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L2153818	EPSW05	SW8081B	50-29-3	4,4'-DDT	J
L2153818	EPSW05	SW8081B	5103-71-9	cis-Chlordane	J
L2153818	EPSW05	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW05	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW05	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW05	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW05	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW05	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2153818	EPSW03	SW8081B	72-54-8	4,4'-DDD	J
L2153818	EPSW03	SW8081B	5103-71-9	cis-Chlordane	J
L2153818	EPSW03	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW03	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW03	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW03	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW03	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW03	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2153818	EPSW03	E537(M)	376-06-7	PFTA	J
L2153818	EPSW02	SW8081B	72-54-8	4,4'-DDD	J
L2153818	EPSW02	SW8081B	72-55-9	4,4'-DDE	J
L2153818	EPSW02	SW8081B	5103-71-9	cis-Chlordane	J
L2153818	EPSW02	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW02	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW02	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW02	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW02	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW02	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2153818	EPSW01	SW8081B	72-55-9	4,4'-DDE	J
L2153818	EPSW01	SW8081B	60-57-1	Dieldrin	J
L2153818	EPSW01	SW8081B	1024-57-3	Heptachlor Epoxide	J
L2153818	EPSW01	SW8081B	5103-71-9	cis-Chlordane	J
L2153818	EPSW01	SW8081B	5103-74-2	trans-Chlordane	J
L2153818	EPSW01	SW8270D	123-91-1	1,4-Dioxane	UJ
L2153818	EPSW01	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
L2153818	EPSW01	SW8270D	65-85-0	Benzoic Acid	UJ
L2153818	EPSW01	SW8270D	86-74-8	Carbazole	J
L2153818	EPSW01	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2155073	EP30_2	6010D	7440-23-5	Sodium	U(178)
L2155073	EP30_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2155073	EP30_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2155073	EP30_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2155073	EP30_2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2155073	EP30_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2155073	EP30_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2155073	EP30_2	E537(M)	375-73-5	PFBS	UJ

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L2155073	EP30_2	E537(M)	375-22-4	PFBA	UJ
L2155073	EP30_2	E537(M)	335-76-2	PFDA	UJ
L2155073	EP30_2	E537(M)	307-55-1	PFDoA	UJ
L2155073	EP30_2	E537(M)	375-85-9	PFHpA	UJ
L2155073	EP30_2	E537(M)	355-46-4	PFHxS	UJ
L2155073	EP30_2	E537(M)	307-24-4	PFHxA	UJ
L2155073	EP30_2	E537(M)	375-95-1	PFNA	UJ
L2155073	EP30_2	E537(M)	1763-23-1	PFOS	UJ
L2155073	EP30_2	E537(M)	335-67-1	PFOA	J
L2155073	EP30_2	E537(M)	2706-90-3	PFPeA	UJ
L2155073	EP30_2	E537(M)	376-06-7	PFTA	UJ
L2155073	EP30_2	E537(M)	2058-94-8	PFUnA	UJ
L2155073	EP36_2	6010D	7440-23-5	Sodium	U(176)
L2155073	EP36_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2155073	EP36_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2155073	EP36_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2155073	EP36_2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2155073	EP36_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2155073	EP36_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2155073	EP36_2	E537(M)	375-22-4	PFBA	UJ
L2155073	EP36_2	E537(M)	335-76-2	PFDA	J
L2155073	EP36_2	E537(M)	307-55-1	PFDoA	J
L2155073	EP36_2	E537(M)	375-85-9	PFHpA	UJ
L2155073	EP36_2	E537(M)	307-24-4	PFHxA	J
L2155073	EP36_2	E537(M)	375-95-1	PFNA	UJ
L2155073	EP36_2	E537(M)	1763-23-1	PFOS	J
L2155073	EP36_2	E537(M)	335-67-1	PFOA	J
L2155073	EP36_2	E537(M)	2706-90-3	PFPeA	U(0.491)
L2155073	EP36_2	E537(M)	2058-94-8	PFUnA	J
L2155073	EP42_2	6010D	7440-23-5	Sodium	U(182)
L2155073	EP42_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2155073	EP42_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2155073	EP42_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2155073	EP42_2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2155073	EP42_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2155073	EP42_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2155073	EP42_2	E537(M)	375-73-5	PFBS	UJ
L2155073	EP42_2	E537(M)	375-22-4	PFBA	UJ
L2155073	EP42_2	E537(M)	335-76-2	PFDA	UJ
L2155073	EP42_2	E537(M)	307-55-1	PFDoA	UJ
L2155073	EP42_2	E537(M)	375-85-9	PFHpA	UJ
L2155073	EP42_2	E537(M)	355-46-4	PFHxS	UJ
L2155073	EP42_2	E537(M)	307-24-4	PFHxA	J
L2155073	EP42_2	E537(M)	375-95-1	PFNA	J

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L2155073	EP42_2	E537(M)	1763-23-1	PFOS	J
L2155073	EP42_2	E537(M)	335-67-1	PFOA	J
L2155073	EP42_2	E537(M)	2706-90-3	PFPeA	U(0.543)
L2155073	EP42_2	E537(M)	376-06-7	PFTA	UJ
L2155073	EP42_2	E537(M)	2058-94-8	PFUnA	UJ
L2155325	EP48_2	6010D	7440-36-0	Antimony	U(4.33)
L2155325	EP48_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2155325	EP48_2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
L2155325	EP48_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2155325	EP48_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2155325	EP48_2	E537(M)	2706-90-3	PFPeA	U(0.524)
L2157422	EP15_2	SW8260C	591-78-6	2-Hexanone	UJ
L2157422	EP15_2	SW8260C	67-64-1	Acetone	UJ
L2157422	EP21_2	SW8260C	591-78-6	2-Hexanone	UJ
L2157422	EP21_2	SW8260C	67-64-1	Acetone	UJ
L2158256	EP43_2	E537(M)	307-24-4	PFHxA	J
L2158256	EP43_2	E537(M)	2706-90-3	PFPeA	U(0.495)
L2158256	EP44_2	E537(M)	2706-90-3	PFPeA	U(0.490)
L2160379	EP27_2	6010D	7440-41-7	Beryllium	U(0.428)
L2160379	EP27_2	6010D	7440-23-5	Sodium	U(171)
L2160379	EP27_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2160379	EP27_2	SW8260C	67-64-1	Acetone	U(33)
L2160379	EP27_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2160379	EP27_2	SW9012B	57-12-5	Cyanide	J
L2160379	EP28_2	6010D	7440-38-2	Arsenic	J
L2160379	EP28_2	6010D	7440-41-7	Beryllium	U(0.418)
L2160379	EP28_2	6010D	7440-43-9	Cadmium	J
L2160379	EP28_2	6010D	7440-70-2	Calcium	J
L2160379	EP28_2	6010D	7440-48-4	Cobalt	J
L2160379	EP28_2	6010D	7440-50-8	Copper	J
L2160379	EP28_2	6010D	7439-89-6	Iron	J
L2160379	EP28_2	6010D	7439-95-4	Magnesium	J
L2160379	EP28_2	6010D	7439-96-5	Manganese	J
L2160379	EP28_2	6010D	7440-23-5	Sodium	U(167)
L2160379	EP28_2	6010D	7440-66-6	Zinc	J
L2160379	EP28_2	SW7471B	7439-97-6	Mercury	J
L2160379	EP28_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2160379	EP28_2	SW8270D	83-32-9	Acenaphthene	J
L2160379	EP28_2	SW8270D	120-12-7	Anthracene	J
L2160379	EP28_2	SW8270D	56-55-3	Benzo(A)Anthracene	J
L2160379	EP28_2	SW8270D	50-32-8	Benzo(A)Pyrene	J
L2160379	EP28_2	SW8270D	205-99-2	Benzo(B)Fluoranthene	J
L2160379	EP28_2	SW8270D	191-24-2	Benzo(G,H,I)Perylene	J
L2160379	EP28_2	SW8270D	207-08-9	Benzo(K)Fluoranthene	J

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2160379	EP28_2	SW8270D	86-74-8	Carbazole	J
L2160379	EP28_2	SW8270D	218-01-9	Chrysene	J
L2160379	EP28_2	SW8270D	206-44-0	Fluoranthene	J
L2160379	EP28_2	SW8270D	86-73-7	Fluorene	J
L2160379	EP28_2	SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	J
L2160379	EP28_2	SW8270D	91-20-3	Naphthalene	J
L2160379	EP28_2	SW8270D	85-01-8	Phenanthrene	J
L2160379	EP28_2	SW8270D	108-95-2	Phenol	J
L2160379	EP28_2	SW8270D	129-00-0	Pyrene	J
L2160379	EP28_2	SW9012B	57-12-5	Cyanide	UJ
L2160379	EP34_2	6010D	7440-41-7	Beryllium	U(0.427)
L2160379	EP34_2	6010D	7440-23-5	Sodium	U(171)
L2160379	EP34_2	E537(M)	2991-50-6	NEtFOSAA	UJ
L2160379	EP34_2	E537(M)	2355-31-9	NMeFOSAA	UJ
L2160379	EP34_2	SW8270D	123-91-1	1,4-Dioxane	UJ
L2160379	EP34_2	SW9012B	57-12-5	Cyanide	UJ
L2160379	EPDUP02_110321	6010D	7440-38-2	Arsenic	J
L2160379	EPDUP02_110321	6010D	7440-41-7	Beryllium	U(0.438)
L2160379	EPDUP02_110321	6010D	7440-43-9	Cadmium	J
L2160379	EPDUP02_110321	6010D	7440-70-2	Calcium	J
L2160379	EPDUP02_110321	6010D	7440-48-4	Cobalt	J
L2160379	EPDUP02_110321	6010D	7439-89-6	Iron	J
L2160379	EPDUP02_110321	6010D	7439-96-5	Manganese	J
L2160379	EPDUP02_110321	6010D	7440-66-6	Zinc	J
L2160379	EPDUP02_110321	SW7471B	7439-97-6	Mercury	J
L2160379	EPDUP02_110321	SW8270D	123-91-1	1,4-Dioxane	UJ
L2160379	EPDUP02_110321	SW8270D	83-32-9	Acenaphthene	J
L2160379	EPDUP02_110321	SW8270D	120-12-7	Anthracene	J
L2160379	EPDUP02_110321	SW8270D	56-55-3	Benzo(A)Anthracene	J
L2160379	EPDUP02_110321	SW8270D	50-32-8	Benzo(A)Pyrene	J
L2160379	EPDUP02_110321	SW8270D	205-99-2	Benzo(B)Fluoranthene	J
L2160379	EPDUP02_110321	SW8270D	191-24-2	Benzo(G,H,I)Perylene	J
L2160379	EPDUP02_110321	SW8270D	207-08-9	Benzo(K)Fluoranthene	J
L2160379	EPDUP02_110321	SW8270D	86-74-8	Carbazole	J
L2160379	EPDUP02_110321	SW8270D	218-01-9	Chrysene	J
L2160379	EPDUP02_110321	SW8270D	206-44-0	Fluoranthene	J
L2160379	EPDUP02_110321	SW8270D	86-73-7	Fluorene	J
L2160379	EPDUP02_110321	SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	J
L2160379	EPDUP02_110321	SW8270D	91-20-3	Naphthalene	J
L2160379	EPDUP02_110321	SW8270D	85-01-8	Phenanthrene	J
L2160379	EPDUP02_110321	SW8270D	129-00-0	Pyrene	J
L2160379	EPDUP02_110321	SW9012B	57-12-5	Cyanide	UJ
L2161589	EPSW14	6010D	7440-23-5	Sodium	U(167)
L2161589	EPSW14	SW8081B	50-29-3	4,4'-DDT	J

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L2161589	EPSW14	SW8081B	319-84-6	Alpha BHC	UJ
L2161589	EPSW14	SW8081B	60-57-1	Dieldrin	J
L2161589	EPSW14	SW8081B	7421-93-4	Endrin Aldehyde	UJ
L2161589	EPSW14	SW8260C	75-69-4	Trichlorofluoromethane	UJ
L2161589	EPSW14	SW8270D	106-47-8	4-Chloroaniline	UJ
L2161589	EPSW14	SW8270D	65-85-0	Benzoic Acid	UJ
L2161589	EPSW14	E537(M)	307-55-1	PFDoA	J
L2161589	EPSW14	E537(M)	375-95-1	PFNA	J
L2161589	EPSW14	E537(M)	2058-94-8	PFUnA	J
L2161589	EPSW13	6010D	7440-23-5	Sodium	U(158)
L2161589	EPSW13	SW8081B	72-55-9	4,4'-DDE	J
L2161589	EPSW13	SW8081B	319-84-6	Alpha BHC	UJ
L2161589	EPSW13	SW8081B	7421-93-4	Endrin Aldehyde	UJ
L2161589	EPSW13	SW8081B	5103-71-9	cis-Chlordane	J
L2161589	EPSW13	SW8081B	5103-74-2	trans-Chlordane	J
L2161589	EPSW13	SW8151A	93-76-5	2,4,5-T	UJ
L2161589	EPSW13	SW8151A	93-72-1	2,4,5-TP	UJ
L2161589	EPSW13	SW8151A	94-75-7	2,4-D	UJ
L2161589	EPSW13	SW8260C	75-69-4	Trichlorofluoromethane	UJ
L2161589	EPSW13	SW8270D	106-47-8	4-Chloroaniline	UJ
L2161589	EPSW13	SW8270D	65-85-0	Benzoic Acid	UJ
L2161589	EPSW13	E537(M)	335-76-2	PFDA	J
L2161589	EPSW13	E537(M)	307-55-1	PFDoA	J
L2161589	EPSW13	E537(M)	375-85-9	PFHpA	UJ
L2161589	EPSW13	E537(M)	335-67-1	PFOA	J
L2161589	EPSW13	E537(M)	376-06-7	PFTA	J
L2161589	EPSW12	6010D	7440-23-5	Sodium	U(160)
L2161589	EPSW12	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2161589	EPSW12	SW8081B	319-84-6	Alpha BHC	UJ
L2161589	EPSW12	SW8081B	7421-93-4	Endrin Aldehyde	UJ
L2161589	EPSW12	SW8260C	75-69-4	Trichlorofluoromethane	UJ
L2161589	EPSW12	SW8270D	106-47-8	4-Chloroaniline	UJ
L2161589	EPSW12	SW8270D	65-85-0	Benzoic Acid	UJ
L2161589	EPSW12	E537(M)	375-85-9	PFHpA	J
L2161589	EPSW12	E537(M)	307-24-4	PFHxA	J
L2161589	EPSW12	E537(M)	335-67-1	PFOA	J
L2161589	EPSW12	E537(M)	72629-94-8	PFTrDA	J
L2163745	EPSW11	6010D	7440-28-0	Thallium	U(1.85)
L2163745	EPSW11	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2163745	EPSW11	SW8081B	72-55-9	4,4'-DDE	J
L2163745	EPSW11	SW8081B	50-29-3	4,4'-DDT	J
L2163745	EPSW11	SW8081B	5103-71-9	cis-Chlordane	J
L2163745	EPSW11	SW8082A	11096-82-5	PCB-1260	J
L2163745	EPSW11	SW8260C	78-93-3	2-Butanone	UJ

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L2163745	EPSW11	SW8270D	120-12-7	Anthracene	J
L2163745	EPSW11	SW8270D	65-85-0	Benzoic Acid	UJ
L2163745	EPSW11	E537(M)	39108-34-4	8:2 FTS	UJ
L2163745	EPSW11	E537(M)	27619-97-2	6:2 FTS	UJ
L2163745	EPSW11	E537(M)	1763-23-1	PFOS	J
L2163745	EPSW11	E537(M)	335-67-1	PFOA	J
L2163745	EPSW11	E537(M)	376-06-7	PFTA	J
L2163745	EPSW10	6010D	7440-23-5	Sodium	U(172)
L2163745	EPSW10	6010D	7440-28-0	Thallium	U(1.72)
L2163745	EPSW10	SW8081B	50-29-3	4,4'-DDT	J
L2163745	EPSW10	SW8081B	5103-71-9	cis-Chlordane	J
L2163745	EPSW10	SW8081B	5103-74-2	trans-Chlordane	J
L2163745	EPSW10	SW8082A	11096-82-5	PCB-1260	J
L2163745	EPSW10	SW8082A	1336-36-3	PCBs	J
L2163745	EPSW10	SW8260C	78-93-3	2-Butanone	UJ
L2163745	EPSW10	SW8270D	120-12-7	Anthracene	J
L2163745	EPSW10	SW8270D	56-55-3	Benzo(A)Anthracene	J
L2163745	EPSW10	SW8270D	65-85-0	Benzoic Acid	UJ
L2163745	EPSW10	SW8270D	91-20-3	Naphthalene	J
L2163745	EPSW10	E537(M)	39108-34-4	8:2 FTS	UJ
L2163745	EPSW10	E537(M)	27619-97-2	6:2 FTS	UJ
L2163745	EPSW10	E537(M)	2991-50-6	NEtFOSAA	J
L2163745	EPSW10	E537(M)	2355-31-9	NMeFOSAA	UJ
L2163745	EPSW10	E537(M)	376-06-7	PFTA	J
L2163745	EPSW09	6010D	7440-23-5	Sodium	U(170)
L2163745	EPSW09	SW8081B	72-54-8	4,4'-DDD	UJ
L2163745	EPSW09	SW8081B	72-55-9	4,4'-DDE	UJ
L2163745	EPSW09	SW8081B	50-29-3	4,4'-DDT	UJ
L2163745	EPSW09	SW8081B	309-00-2	Aldrin	UJ
L2163745	EPSW09	SW8081B	319-84-6	Alpha BHC	UJ
L2163745	EPSW09	SW8081B	319-85-7	Beta BHC	UJ
L2163745	EPSW09	SW8081B	57-74-9	Chlordane	UJ
L2163745	EPSW09	SW8081B	319-86-8	Delta BHC	UJ
L2163745	EPSW09	SW8081B	60-57-1	Dieldrin	UJ
L2163745	EPSW09	SW8081B	959-98-8	Alpha Endosulfan	UJ
L2163745	EPSW09	SW8081B	33213-65-9	Beta Endosulfan	UJ
L2163745	EPSW09	SW8081B	1031-07-8	Endosulfan Sulfate	UJ
L2163745	EPSW09	SW8081B	72-20-8	Endrin	UJ
L2163745	EPSW09	SW8081B	7421-93-4	Endrin Aldehyde	UJ
L2163745	EPSW09	SW8081B	53494-70-5	Endrin Ketone	UJ
L2163745	EPSW09	SW8081B	76-44-8	Heptachlor	UJ
L2163745	EPSW09	SW8081B	1024-57-3	Heptachlor Epoxide	UJ
L2163745	EPSW09	SW8081B	58-89-9	Gamma BHC	UJ
L2163745	EPSW09	SW8081B	72-43-5	Methoxychlor	UJ

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L2163745	EPSW09	SW8081B	8001-35-2	Toxaphene	UJ
L2163745	EPSW09	SW8081B	5103-71-9	cis-Chlordane	UJ
L2163745	EPSW09	SW8081B	5103-74-2	trans-Chlordane	UJ
L2163745	EPSW09	SW8260C	78-93-3	2-Butanone	UJ
L2163745	EPSW09	SW8270D	91-57-6	2-Methylnaphthalene	J
L2163745	EPSW09	SW8270D	83-32-9	Acenaphthene	J
L2163745	EPSW09	SW8270D	65-85-0	Benzoic Acid	UJ
L2163745	EPSW09	SW8270D	86-73-7	Fluorene	J
L2163745	EPSW09	SW8270D	91-20-3	Naphthalene	J
L2163745	EPSW09	E537(M)	39108-34-4	8:2 FTS	UJ
L2163745	EPSW09	E537(M)	27619-97-2	6:2 FTS	UJ
L2163745	EPSW09	E537(M)	2991-50-6	NEtFOSAA	UJ
L2163745	EPSW09	E537(M)	2355-31-9	NMeFOSAA	UJ
L2163745	EPSW09	E537(M)	335-76-2	PFDA	J
L2163745	EPSW09	E537(M)	375-95-1	PFNA	J
L2163745	EPSW09	E537(M)	376-06-7	PFTA	J
L2163745	EPSW08	6010D	7440-23-5	Sodium	U(158)
L2163745	EPSW08	6010D	7440-28-0	Thallium	U(1.58)
L2163745	EPSW08	SW8081B	57-74-9	Chlordane	J
L2163745	EPSW08	SW8081B	60-57-1	Dieldrin	J
L2163745	EPSW08	SW8081B	1024-57-3	Heptachlor Epoxide	J
L2163745	EPSW08	SW8260C	78-93-3	2-Butanone	UJ
L2163745	EPSW08	SW8270D	83-32-9	Acenaphthene	J
L2163745	EPSW08	SW8270D	120-12-7	Anthracene	J
L2163745	EPSW08	SW8270D	65-85-0	Benzoic Acid	UJ
L2163745	EPSW08	SW8270D	86-73-7	Fluorene	J
L2163745	EPSW08	E537(M)	39108-34-4	8:2 FTS	UJ
L2163745	EPSW08	E537(M)	27619-97-2	6:2 FTS	UJ
L2163745	EPSW08	E537(M)	2991-50-6	NEtFOSAA	J
L2163745	EPSW08	E537(M)	335-76-2	PFDA	J
L2166485	EP39_2	6010D	7440-38-2	Arsenic	J
L2166485	EP39_2	6010D	7440-39-3	Barium	J
L2166485	EP39_2	6010D	7439-92-1	Lead	J
L2166485	EP39_2	6010D	7439-96-5	Manganese	J
L2166485	EP39_2	6010D	7782-49-2	Selenium	U(1.76)
L2166485	EP39_2	6010D	7440-66-6	Zinc	J
L2166485	EP39_2	CALC	16065-83-1	Chromium III	J
L2166485	EP39_2	E537(M)	355-46-4	PFHxS	J
L2166485	EP39_2	E537(M)	1763-23-1	PFOS	J
L2166485	EP39_2	SW7471B	7439-97-6	Mercury	J
L2166485	EP39_2	SW8081B	319-85-7	Beta BHC	UJ
L2166485	EP39_2	SW8081B	57-74-9	Chlordane	UJ
L2166485	EP39_2	SW8081B	5103-71-9	cis-Chlordane	UJ
L2166485	EP39_2	SW8081B	60-57-1	Dieldrin	UJ

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L2166485	EP39_2	SW8081B	72-55-9	4,4'-DDE	UJ
L2166485	EP39_2	SW8081B	50-29-3	4,4'-DDT	UJ
L2166485	EP39_2	SW8081B	5103-74-2	trans-Chlordane	UJ
L2166485	EP39_2	SW8260C	630-20-6	1,1,1,2-Tetrachloroethane	UJ
L2166485	EP39_2	SW8260C	71-55-6	1,1,1-Trichloroethane	UJ
L2166485	EP39_2	SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	UJ
L2166485	EP39_2	SW8260C	79-00-5	1,1,2-Trichloroethane	UJ
L2166485	EP39_2	SW8260C	75-34-3	1,1-Dichloroethane	UJ
L2166485	EP39_2	SW8260C	75-35-4	1,1-Dichloroethene	UJ
L2166485	EP39_2	SW8260C	563-58-6	1,1-Dichloropropene	UJ
L2166485	EP39_2	SW8260C	87-61-6	1,2,3-Trichlorobenzene	UJ
L2166485	EP39_2	SW8260C	96-18-4	1,2,3-Trichloropropane	UJ
L2166485	EP39_2	SW8260C	95-93-2	1,2,4,5-Tetramethylbenzene	UJ
L2166485	EP39_2	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
L2166485	EP39_2	SW8260C	95-63-6	1,2,4-Trimethylbenzene	UJ
L2166485	EP39_2	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
L2166485	EP39_2	SW8260C	106-93-4	1,2-Dibromoethane	UJ
L2166485	EP39_2	SW8260C	95-50-1	1,2-Dichlorobenzene	UJ
L2166485	EP39_2	SW8260C	107-06-2	1,2-Dichloroethane	UJ
L2166485	EP39_2	SW8260C	78-87-5	1,2-Dichloropropane	UJ
L2166485	EP39_2	SW8260C	108-67-8	1,3,5-Trimethylbenzene	UJ
L2166485	EP39_2	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
L2166485	EP39_2	SW8260C	142-28-9	1,3-Dichloropropane	UJ
L2166485	EP39_2	SW8260C	106-46-7	1,4-Dichlorobenzene	UJ
L2166485	EP39_2	SW8260C	105-05-5	1,4-Diethyl Benzene	UJ
L2166485	EP39_2	SW8260C	123-91-1	1,4-Dioxane	UJ
L2166485	EP39_2	SW8260C	594-20-7	2,2-Dichloropropane	UJ
L2166485	EP39_2	SW8260C	95-49-8	2-Chlorotoluene	UJ
L2166485	EP39_2	SW8260C	591-78-6	2-Hexanone	UJ
L2166485	EP39_2	SW8260C	106-43-4	4-Chlorotoluene	UJ
L2166485	EP39_2	SW8260C	622-96-8	4-Ethyltoluene	UJ
L2166485	EP39_2	SW8260C	67-64-1	Acetone	J
L2166485	EP39_2	SW8260C	107-13-1	Acrylonitrile	UJ
L2166485	EP39_2	SW8260C	71-43-2	Benzene	UJ
L2166485	EP39_2	SW8260C	108-86-1	Bromobenzene	UJ
L2166485	EP39_2	SW8260C	74-97-5	Bromochloromethane	UJ
L2166485	EP39_2	SW8260C	75-27-4	Bromodichloromethane	UJ
L2166485	EP39_2	SW8260C	75-25-2	Bromoform	UJ
L2166485	EP39_2	SW8260C	74-83-9	Bromomethane	UJ
L2166485	EP39_2	SW8260C	75-15-0	Carbon Disulfide	UJ
L2166485	EP39_2	SW8260C	56-23-5	Carbon Tetrachloride	UJ
L2166485	EP39_2	SW8260C	108-90-7	Chlorobenzene	UJ
L2166485	EP39_2	SW8260C	75-00-3	Chloroethane	UJ
L2166485	EP39_2	SW8260C	67-66-3	Chloroform	U(2.6)

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2166485	EP39_2	SW8260C	74-87-3	Chloromethane	UJ
L2166485	EP39_2	SW8260C	156-59-2	Cis-1,2-Dichloroethene	UJ
L2166485	EP39_2	SW8260C	10061-01-5	Cis-1,3-Dichloropropene	UJ
L2166485	EP39_2	SW8260C	99-87-6	Cymene	J
L2166485	EP39_2	SW8260C	124-48-1	Dibromochloromethane	UJ
L2166485	EP39_2	SW8260C	74-95-3	Dibromomethane	UJ
L2166485	EP39_2	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
L2166485	EP39_2	SW8260C	540-59-0	Total Dichloroethene	UJ
L2166485	EP39_2	SW8260C	60-29-7	Diethyl Ether	UJ
L2166485	EP39_2	SW8260C	100-41-4	Ethylbenzene	J
L2166485	EP39_2	SW8260C	87-68-3	Hexachlorobutadiene	UJ
L2166485	EP39_2	SW8260C	98-82-8	Isopropylbenzene	UJ
L2166485	EP39_2	SW8260C	179601-23-1	m,p-Xylene	UJ
L2166485	EP39_2	SW8260C	78-93-3	2-Butanone	U(15)
L2166485	EP39_2	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
L2166485	EP39_2	SW8260C	75-09-2	Methylene Chloride	UJ
L2166485	EP39_2	SW8260C	91-20-3	Naphthalene	J
L2166485	EP39_2	SW8260C	104-51-8	N-Butylbenzene	UJ
L2166485	EP39_2	SW8260C	103-65-1	N-Propylbenzene	UJ
L2166485	EP39_2	SW8260C	95-47-6	O-Xylene	UJ
L2166485	EP39_2	SW8260C	135-98-8	Sec-Butylbenzene	UJ
L2166485	EP39_2	SW8260C	100-42-5	Styrene	UJ
L2166485	EP39_2	SW8260C	98-06-6	T-Butylbenzene	UJ
L2166485	EP39_2	SW8260C	1634-04-4	Tert-Butyl Methyl Ether	UJ
L2166485	EP39_2	SW8260C	127-18-4	Tetrachloroethene	UJ
L2166485	EP39_2	SW8260C	108-88-3	Toluene	UJ
L2166485	EP39_2	SW8260C	542-75-6	Total, 1,3-Dichloropropene	UJ
L2166485	EP39_2	SW8260C	156-60-5	Trans-1,2-Dichloroethene	UJ
L2166485	EP39_2	SW8260C	10061-02-6	Trans-1,3-Dichloropropene	UJ
L2166485	EP39_2	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
L2166485	EP39_2	SW8260C	79-01-6	Trichloroethene	UJ
L2166485	EP39_2	SW8260C	75-69-4	Trichlorofluoromethane	UJ
L2166485	EP39_2	SW8260C	108-05-4	Vinyl Acetate	UJ
L2166485	EP39_2	SW8260C	75-01-4	Vinyl Chloride	UJ
L2166485	EP39_2	SW8260C	1330-20-7	Xylenes	UJ
L2166485	EP39_2	SW8270D	83-32-9	Acenaphthene	J
L2166485	EP39_2	SW8270D	120-12-7	Anthracene	J
L2166485	EP39_2	SW8270D	56-55-3	Benzo(A)Anthracene	J
L2166485	EP39_2	SW8270D	50-32-8	Benzo(A)Pyrene	J
L2166485	EP39_2	SW8270D	205-99-2	Benzo(B)Fluoranthene	J
L2166485	EP39_2	SW8270D	191-24-2	Benzo(G,H,I)Perylene	J
L2166485	EP39_2	SW8270D	207-08-9	Benzo(K)Fluoranthene	J
L2166485	EP39_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2166485	EP39_2	SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	UJ

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2166485	EP39_2	SW8270D	218-01-9	Chrysene	J
L2166485	EP39_2	SW8270D	53-70-3	Dibenz(A,H)Anthracene	J
L2166485	EP39_2	SW8270D	206-44-0	Fluoranthene	J
L2166485	EP39_2	SW8270D	86-73-7	Fluorene	J
L2166485	EP39_2	SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	J
L2166485	EP39_2	SW8270D	85-01-8	Phenanthrene	J
L2166485	EP39_2	SW8270D	129-00-0	Pyrene	J
L2166485	EP45_2	6010D	7440-36-0	Antimony	UJ
L2166485	EP45_2	6010D	7440-39-3	Barium	J
L2166485	EP45_2	6010D	7440-43-9	Cadmium	J
L2166485	EP45_2	6010D	7440-47-3	Chromium	J
L2166485	EP45_2	6010D	7440-50-8	Copper	J
L2166485	EP45_2	6010D	7440-02-0	Nickel	J
L2166485	EP45_2	6010D	7782-49-2	Selenium	U(2.28)
L2166485	EP45_2	E537(M)	335-76-2	PFDA	J
L2166485	EP45_2	E537(M)	375-85-9	PFHpA	UJ
L2166485	EP45_2	E537(M)	1763-23-1	PFOS	J
L2166485	EP45_2	E537(M)	335-67-1	PFOA	J
L2166485	EP45_2	SW7196A	18540-29-9	Hexavalent Chromium	UJ
L2166485	EP45_2	SW8081B	319-85-7	Beta BHC	UJ
L2166485	EP45_2	SW8260C	78-93-3	2-Butanone	U(12)
L2166485	EP45_2	SW8270D	95-95-4	2,4,5-Trichlorophenol	UJ
L2166485	EP45_2	SW8270D	88-06-2	2,4,6-Trichlorophenol	UJ
L2166485	EP45_2	SW8270D	120-83-2	2,4-Dichlorophenol	UJ
L2166485	EP45_2	SW8270D	105-67-9	2,4-Dimethylphenol	UJ
L2166485	EP45_2	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
L2166485	EP45_2	SW8270D	95-57-8	2-Chlorophenol	UJ
L2166485	EP45_2	SW8270D	95-48-7	2-Methylphenol	UJ
L2166485	EP45_2	SW8270D	88-75-5	2-Nitrophenol	UJ
L2166485	EP45_2	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
L2166485	EP45_2	SW8270D	59-50-7	4-Chloro-3-Methylphenol	UJ
L2166485	EP45_2	SW8270D	100-02-7	4-Nitrophenol	UJ
L2166485	EP45_2	SW8270D	65-85-0	Benzoic Acid	UJ
L2166485	EP45_2	SW8270D	65794-96-9	M+P MethylPhenol	J
L2166485	EP45_2	SW8270D	108-95-2	Phenol	J
L2166485	EPDUP03_120221	6010D	7440-38-2	Arsenic	J
L2166485	EPDUP03_120221	6010D	7440-39-3	Barium	J
L2166485	EPDUP03_120221	6010D	7439-92-1	Lead	J
L2166485	EPDUP03_120221	6010D	7439-96-5	Manganese	J
L2166485	EPDUP03_120221	6010D	7440-23-5	Sodium	U(190)
L2166485	EPDUP03_120221	6010D	7440-66-6	Zinc	J
L2166485	EPDUP03_120221	CALC	16065-83-1	Chromium III	J
L2166485	EPDUP03_120221	E537(M)	355-46-4	PFHxS	UJ
L2166485	EPDUP03_120221	E537(M)	1763-23-1	PFOS	J

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
L2166485	EPDUP03_120221	SW7471B	7439-97-6	Mercury	J
L2166485	EPDUP03_120221	SW8081B	319-85-7	Beta BHC	UJ
L2166485	EPDUP03_120221	SW8081B	57-74-9	Chlordane	J
L2166485	EPDUP03_120221	SW8081B	5103-71-9	cis-Chlordane	J
L2166485	EPDUP03_120221	SW8081B	60-57-1	Dieldrin	J
L2166485	EPDUP03_120221	SW8081B	72-55-9	4,4'-DDE	J
L2166485	EPDUP03_120221	SW8081B	50-29-3	4,4'-DDT	J
L2166485	EPDUP03_120221	SW8081B	5103-74-2	trans-Chlordane	J
L2166485	EPDUP03_120221	SW8260C	67-64-1	Acetone	UJ
L2166485	EPDUP03_120221	SW8260C	67-66-3	Chloroform	U(2.0)
L2166485	EPDUP03_120221	SW8270D	83-32-9	Acenaphthene	J
L2166485	EPDUP03_120221	SW8270D	208-96-8	Acenaphthylene	J
L2166485	EPDUP03_120221	SW8270D	120-12-7	Anthracene	J
L2166485	EPDUP03_120221	SW8270D	56-55-3	Benzo(A)Anthracene	J
L2166485	EPDUP03_120221	SW8270D	50-32-8	Benzo(A)Pyrene	J
L2166485	EPDUP03_120221	SW8270D	205-99-2	Benzo(B)Fluoranthene	J
L2166485	EPDUP03_120221	SW8270D	191-24-2	Benzo(G,H,I)Perylene	J
L2166485	EPDUP03_120221	SW8270D	207-08-9	Benzo(K)Fluoranthene	J
L2166485	EPDUP03_120221	SW8270D	65-85-0	Benzoic Acid	UJ
L2166485	EPDUP03_120221	SW8270D	85-68-7	Benzyl Butyl Phthalate	J
L2166485	EPDUP03_120221	SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	J
L2166485	EPDUP03_120221	SW8270D	86-74-8	Carbazole	J
L2166485	EPDUP03_120221	SW8270D	218-01-9	Chrysene	J
L2166485	EPDUP03_120221	SW8270D	53-70-3	Dibenz(A,H)Anthracene	J
L2166485	EPDUP03_120221	SW8270D	132-64-9	Dibenzofuran	J
L2166485	EPDUP03_120221	SW8270D	206-44-0	Fluoranthene	J
L2166485	EPDUP03_120221	SW8270D	86-73-7	Fluorene	J
L2166485	EPDUP03_120221	SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	J
L2166485	EPDUP03_120221	SW8270D	91-20-3	Naphthalene	J
L2166485	EPDUP03_120221	SW8270D	85-01-8	Phenanthrene	J
L2166485	EPDUP03_120221	SW8270D	129-00-0	Pyrene	J
L2166485	EPSW04	6010D	7782-49-2	Selenium	U(1.80)
L2166485	EPSW04	6010D	7440-23-5	Sodium	U(180)
L2166485	EPSW04	E537(M)	2706-90-3	PFPeA	U(0.552)
L2166485	EPSW04	E537(M)	72629-94-8	PFTrDA	J
L2166485	EPSW04	SW8081B	319-85-7	Beta BHC	UJ
L2166485	EPSW04	SW8081B	5103-71-9	cis-Chlordane	J
L2166485	EPSW04	SW8081B	5103-74-2	trans-Chlordane	J
L2166485	EPSW04	SW8260C	67-66-3	Chloroform	U(2.0)
L2166485	EPSW04	SW8270D	65-85-0	Benzoic Acid	UJ

JOSEPH CONBOY

SENIOR STAFF CHEMIST

ENVIRONMNETAL

Mr. Conboy has eight years of environmental chemistry, quality assurance, and environmental database management experience, with a current emphasis on validation of laboratory data for submittal to NJDEP via the New Jersey Data of Known Quality Protocols and to NYSDEC. Previous work experience includes performing validation of data for projects in USEPA Regions 2 and 3 while employing appropriate validation guidelines for each region, managing large data sets, updating appropriate regulatory limits, performing statistical evaluations, and preparing electronic data deliverables and report deliverables using the Earthsoft EQuIS database program, and acted as an intermediary between project managers, field staff, and laboratories. Mr. Conboy also has experience in field sampling techniques and maintains current OSHA HAZWOPER certification.



EDUCATION

B.Sc., Chemistry with a minor in Mathematics
Rowan University

CERTIFICATIONS & TRAINING

OSHA 40-Hour HAZWOPER 29 CFR 1910.120(e)(4) Certification

NJ Analytical Guidance and Data Usability Training

USEPA Data Validation Training

Earthsoft EQuIS Environmental Database Training

SELECTED PROJECTS

- 1400 Ferris, Bronx, NY – Completed validation of soil and groundwater data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOCs and SVOCs including 1,4-dioxane, and tangentially used based on professional judgment to perform validation of PFAS data.
- Broome Street Parking Lot, NY - Completed validation of waste characterization data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOCs, SVOCs, herbicides, PCBs, pesticides, metals including mercury, ignitability temperature, pH, reactive cyanide, reactive sulfide, cyanide, and hexavalent chromium. Toxicity characteristic leachate procedure extraction data for VOCs, SVOCs, herbicides, pesticides, metals, and mercury were also validated.
- 215 North 10th Street, Brooklyn, NY - Completed validation of soil and groundwater data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOC, SVOC, SVOC SIM, herbicide, PCB, pesticide, metals, mercury, cyanide, hexavalent chromium, trivalent chromium data.
- 35 Commercial Street, Brooklyn, NY - Completed validation of soil data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOC, SVOC, SVOC SIM, herbicide, PCB, pesticide, metals, mercury, cyanide, hexavalent chromium, trivalent chromium data, and tangentially used based on professional judgment to perform validation of PFAS data.
- Suffolk Street, Lower East Side, NY- Completed validation of soil, groundwater, and soil vapor data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II

guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOC, VOCs by USEPA TO-15, SVOC, SVOC SIM, herbicide, PCB, pesticide, metals, mercury, cyanide, hexavalent chromium, trivalent chromium data, and tangentially used based on professional judgment to perform validation of PFAS data.

- Managed a database for a confidential client containing 10+ years of environmental chemical data from multiple laboratories, requiring select data validation in accordance with New Jersey Data of Known Quality Protocols and identifying areas of delineation from historic field information. Once identified, NJDEP designated groundwater, surface water, soil, sediment, soil vapor, and custom screening criteria were researched and applied to each area, requiring individualized flagging for reporting.*
- Prepared the New Jersey Data of Known Quality Protocol Data Usability Evaluation and managed the database for a confidential client for a data set greater than 20 years old. A DUE or any validation effort was not prepared in the 20 years prior to current. This included data from variations of methods for volatile organic compounds, semivolatile organic compounds, total and dissolved metals, pesticides, herbicides, natural attenuation parameters, and per- and polyfluoroalkyl substances in multiple media.*
- Performed 200+ Stage 2a validations for a combined 87-acre USEPA designated Corrective Action site under the Resource Conservation and Recovery Act, including a quick-turn USEPA required PCB by soxhlet extraction investigation across multiple plants. Once a former train car painting facility, USEPA required a quick-turn PCB by soxhlet extraction soil investigation.
- Preparation of a quality assurance program for a confidential client in West Virginia. A quick turn QAPP was prepared in a service location new to the consultant, resulting in research into state requirements for data usability and auditing newly employed laboratories. The QAPP was understood to be prepared for groundwater only, but the client did not reveal the need for sediment and soil. Two QAPPs were submitted for review to governing agencies.*
- Used statistical software to determine a localized background upper confidence limit of chromium for a confidential client's sand and gravel site. Validation was used to confirm laboratory procedures, and data was used in ProUCL calculations to compare to researched background chromium levels for Pennsylvania soils. *
- Prepared daily perimeter dust and air monitoring summaries and validation of low level mirex data for a confidential client's superfund site. Low level mirex data was generated by university laboratories and subject to validation following national functional guidelines to aide in river clean-up, including sediment, surface water, and treatment system water matrices.*

**Project completed prior to employment at LANGAN.*