ALPHA ANALYTICAL

World Class Chemistry

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Lab Number: L1712518

Client: Floyd Snider, Inc.

ATTN: Teri Floyd

Project Name: LDW ENR/AC PILOT STUDY

Project Number:

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Sample Delivery Group Information

Sample Delivery Group Form

Laboratory Job number: L1712518
Project Manager: Elizabeth Porta **Review Date:** 04/27/2017
Project Number:
Project Name: LDW ENR/AC PILOT STUDY **Received:** 04/19/2017 00:00
Client Account: Floyd Snider Inc **Received by:**

Samples Delivered by: FEDEX **Call Tracker #**
Bill Of Laden Yes **Trackingnum** 778917929169,778917929170,778917928699
Coc Present Present

Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? No
Aqueous: Do Vials Contain Head Space? N/A
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	No	No	17.8 - IR Gun	No	No

C	Absent	No	No	17.7 - IR Gun	No	No
B	Absent	No	No	17.8 - IR Gun	No	No

LIMS Chain of Custody

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-01	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	1-Glass-A.25,1-Glass-A.5

Grain Size: Use both #200 and #230 sieves. DPKG-FULL Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND, DPKG-FULL,TVS-2540

L1712518-02	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	1-SGlass-A.25

This sample is also labelled as L1712518-01. Use volume from L1712518-01 Package Due Date: 06/01/17

TVS-2540

L1712518-03	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	1-SGlass-A.25

This sample is also labelled as L1712518-01. Use volume from L1712518-01 Package Due Date: 06/01/17

TVS-2540

L1712518-04	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	0-

Run TVS on fraction that passed through #50 sieve from L1712518-01 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

A2-CHEMIST LABOR,TVS-2540

L1712518-05	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	0-

Run TVS on fraction that passed through #50 sieve from L1712518-01 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

L1712518-06	LDW-Y0-IN-ENR-CA-CO	3	S0	13APR17 13:40	0-

Run TVS on fraction that passed through #50 sieve from L1712518-01 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container

TVS-2540

L1712518-07 LDW-Y0-IN-ENR-CB-CO 3 S0 13APR17 13:50 1-Glass-A.25,1-Glass-A.5
Grain Size: Use both #200 and #230 sieves. Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND,
TVS-2540

L1712518-08 LDW-Y0-IN-ENR-CB-CO 3 S0 13APR17 13:50 1-SGlass-A.25
This sample is also labelled as L1712518-07. Use volume from L1712518-07 Package Due Date: 06/01/17

TVS-2540

L1712518-09 LDW-Y0-IN-ENR-CB-CO 3 S0 13APR17 13:50 1-SGlass-A.25
This sample is also labelled as L1712518-07. Use volume from L1712518-07 Package Due Date: 06/01/17

TVS-2540

L1712518-10 LDW-Y0-IN-ENR-CB-CO 3 S0 13APR17 13:50 0-
Run TVS on fraction that passed through #50 sieve from L1712518-07 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

A2-CHEMIST LABOR,TVS-2540

L1712518-11 LDW-Y0-IN-ENR-CB-CO 3 S0 13APR17 13:50 0-
Run TVS on fraction that passed through #50 sieve from L1712518-07 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-12	LDW-Y0-IN-ENR-CB-CO	3	S0	13APR17 13:50	0-

Run TVS on fraction that passed through #50 sieve from L1712518-07 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

L1712518-13	LDW-Y0-IN-ENR-CC-CO	3	S0	13APR17 13:55	1-Glass-A.25,1-Glass-A.5

Grain Size: Use both #200 and #230 sieves. Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND,
TVS-2540

L1712518-14	LDW-Y0-IN-ENR-CC-CO	3	S0	13APR17 13:55	1-SGlass-A.25

This sample is also labelled as L1712518-13. Use volume from L1712518-13 Package Due Date: 06/01/17

TVS-2540

L1712518-15	LDW-Y0-IN-ENR-CC-CO	3	S0	13APR17 13:55	1-SGlass-A.25

This sample is also labelled as L1712518-13. Use volume from L1712518-13 Package Due Date: 06/01/17

TVS-2540

L1712518-16	LDW-Y0-IN-ENR-CC-CO	3	S0	13APR17 13:55	0-

Run TVS on fraction that passed through #50 sieve from L1712518-13 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

A2-CHEMIST LABOR,TVS-2540

L1712518-17	LDW-Y0-IN-ENR-CC-CO	3	S0	13APR17 13:55	0-

Run TVS on fraction that passed through #50 sieve from L1712518-13 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container

TVS-2540

L1712518-18 LDW-Y0-IN-ENR-CC-CO 3 S0 13APR17 13:55 0-
Run TVS on fraction that passed through #50 sieve from L1712518-13 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

L1712518-19 LDW-Y0-IN-ENR+AC-CA 3 S0 13APR17 14:15 1-Glass-A.25,1-Glass-A.5
Grain Size: Use both #200 and #230 sieves. Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND,
TVS-2540

L1712518-20 LDW-Y0-IN-ENR+AC-CA 3 S0 13APR17 14:15 1-SGlass-A.25
This sample is also labelled as L1712518-19. Use volume from L1712518-19 Package Due Date: 06/01/17

TVS-2540

L1712518-21 LDW-Y0-IN-ENR+AC-CA 3 S0 13APR17 14:15 1-SGlass-A.25
This sample is also labelled as L1712518-19. Use volume from L1712518-19 Package Due Date: 06/01/17

TVS-2540

L1712518-22 LDW-Y0-IN-ENR+AC-CA 3 S0 13APR17 14:15 0-
Run TVS on fraction that passed through #50 sieve from L1712518-19 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

A2-CHEMIST LABOR,TVS-2540

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-23	LDW-Y0-IN-ENR+AC-CA	3	S0	13APR17 14:15	0-

Run TVS on fraction that passed through #50 sieve from L1712518-19 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-24	LDW-Y0-IN-ENR+AC-CA	3	S0	13APR17 14:15	0-

Run TVS on fraction that passed through #50 sieve from L1712518-19 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-25	LDW-Y0-IN-ENR+AC-CB	3	S0	13APR17 14:30	1-Glass-A.25,1-Glass-A.5

Grain Size: Use both #200 and #230 sieves. Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND,
TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-26	LDW-Y0-IN-ENR+AC-CB	3	S0	13APR17 14:30	1-SGlass-A.25

This sample is also labelled as L1712518-25. Use volume from L1712518-25 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-27	LDW-Y0-IN-ENR+AC-CB	3	S0	13APR17 14:30	1-SGlass-A.25

This sample is also labelled as L1712518-25. Use volume from L1712518-25 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-28	LDW-Y0-IN-ENR+AC-CB	3	S0	13APR17 14:30	0-

Run TVS on fraction that passed through #50 sieve from L1712518-25 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container

A2-CHEMIST LABOR,TVS-2540

L1712518-29 LDW-Y0-IN-ENR+AC-CB 3 S0 13APR17 14:30 0-
Run TVS on fraction that passed through #50 sieve from L1712518-25 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

L1712518-30 LDW-Y0-IN-ENR+AC-CB 3 S0 13APR17 14:30 0-
Run TVS on fraction that passed through #50 sieve from L1712518-25 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

L1712518-31 LDW-Y0-IN-ENR+AC-CC 3 S0 13APR17 14:40 1-Glass-A.25,1-Glass-A.5
Grain Size: Use both #200 and #230 sieves. Package Due Date: 06/01/17

A2-SIEVE-HYDROMETER,A2-HYDRO-CFINE,A2-HYDRO-CGRAVEL,A2-HYDRO-COBBLES,A2-HYDRO-CSAND,A2-HYDRO-FGRAVEL,A2-HYDRO-FSAND,A2-HYDRO-MSAND,A2-HYDRO-SFINE,A2-HYDRO-TFINE,A2-HYDRO-TGRAVEL,A2-HYDRO-TSAND,
TVS-2540

L1712518-32 LDW-Y0-IN-ENR+AC-CC 3 S0 13APR17 14:40 1-SGlass-A.25
This sample is also labelled as L1712518-31. Use volume from L1712518-31 Package Due Date: 06/01/17

TVS-2540

L1712518-33 LDW-Y0-IN-ENR+AC-CC 3 S0 13APR17 14:40 1-SGlass-A.25
This sample is also labelled as L1712518-31. Use volume from L1712518-31 Package Due Date: 06/01/17

TVS-2540

ALPHA ANALYTICAL LABORATORIES, INC.
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Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-34	LDW-Y0-IN-ENR+AC-CC	3	S0	13APR17 14:40	0-

Run TVS on fraction that passed through #50 sieve from L1712518-31 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

A2-CHEMIST LABOR,TVS-2540

| L1712518-35 | LDW-Y0-IN-ENR+AC-CC | 3 | S0 | 13APR17 14:40 | 0- |

Run TVS on fraction that passed through #50 sieve from L1712518-31 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

| L1712518-36 | LDW-Y0-IN-ENR+AC-CC | 3 | S0 | 13APR17 14:40 | 0- |

Run TVS on fraction that passed through #50 sieve from L1712518-31 Archive fraction that is retained on #50 sieve Package Due Date: 06/01/17

TVS-2540

| L1712518-37 | LDW-Y0-IN-ENR+AC-1- | 3 | S0 | 13APR17 14:05 | 1-Glass-A.25 |

L1712518-37 MS L1712518-37 DUP Package Due Date: 06/01/17

DUP,MS,TVS-2540

| L1712518-38 | LDW-Y0-IN-ENR+AC-1- | 3 | S0 | 13APR17 14:05 | 0- |

This sample is also labelled as L1712518-37. Use volume from L1712518-37 L1712518-38 MS L1712518-38 DUP Package Due Date: 06/01/17

DUP,MS,TVS-2540

| L1712518-39 | LDW-Y0-IN-ENR+AC-1- | 3 | S0 | 13APR17 14:05 | 0- |

This sample is also labelled as L1712518-37. Use volume from L1712518-37 L1712518-39 MS L1712518-39 DUP Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
DUP,MS,TVS-2540					
L1712518-40	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:20	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-41	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:20	0-
This sample is also labelled as L1712518-40. Use volume from L1712518-40 Package Due Date: 06/01/17					
TVS-2540					
L1712518-42	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:20	0-
This sample is also labelled as L1712518-40. Use volume from L1712518-40 Package Due Date: 06/01/17					
TVS-2540					
L1712518-43	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:30	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-44	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:30	0-
This sample is also labelled as L1712518-43. Use volume from L1712518-43 Package Due Date: 06/01/17					
TVS-2540					
L1712518-45	LDW-Y0-IN-ENR+AC-1-	3	S0	13APR17 14:30	0-
This sample is also labelled as L1712518-43. Use volume from L1712518-43 Package Due Date: 06/01/17					
TVS-2540					

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-46	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:06	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-47	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:06	0-
This sample is also labelled as L1712518-46. Use volume from L1712518-46 Package Due Date: 06/01/17					
TVS-2540					
L1712518-48	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:06	0-
This sample is also labelled as L1712518-46. Use volume from L1712518-46 Package Due Date: 06/01/17					
TVS-2540					
L1712518-49	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:21	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-50	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:21	0-
This sample is also labelled as L1712518-49. Use volume from L1712518-49 Package Due Date: 06/01/17					
TVS-2540					
L1712518-51	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:21	0-
This sample is also labelled as L1712518-49. Use volume from L1712518-49 Package Due Date: 06/01/17					
TVS-2540					
L1712518-52	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:31	1-Glass-A.25
| Package Due Date: 06/01/17					

ALPHA ANALYTICAL LABORATORIES, INC.
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Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
TVS-2540					
L1712518-53	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:31	0-
This sample is also labelled as L1712518-52. Use volume from L1712518-52 Package Due Date: 06/01/17					
TVS-2540					
L1712518-54	LDW-Y0-IN-ENR+AC-2-	3	S0	13APR17 14:31	0-
This sample is also labelled as L1712518-52. Use volume from L1712518-52 Package Due Date: 06/01/17					
TVS-2540					
L1712518-55	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:07	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-56	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:07	0-
This sample is also labelled as L1712518-55. Use volume from L1712518-55 Package Due Date: 06/01/17					
TVS-2540					
L1712518-57	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:07	0-
This sample is also labelled as L1712518-55. Use volume from L1712518-55 Package Due Date: 06/01/17					
TVS-2540					
L1712518-58	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:22	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-59	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:22	0-

This sample is also labelled as L1712518-58. Use volume from L1712518-58 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-60	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:22	0-

This sample is also labelled as L1712518-58. Use volume from L1712518-58 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-61	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:32	1-Glass-A.25

| Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-62	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:32	0-

This sample is also labelled as L1712518-61. Use volume from L1712518-61 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-63	LDW-Y0-IN-ENR+AC-3-	3	S0	13APR17 14:32	0-

This sample is also labelled as L1712518-61. Use volume from L1712518-61 Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-64	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:08	1-Glass-A.25

| Package Due Date: 06/01/17

TVS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-65	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:08	0-

This sample is also labelled as L1712518-64. Use volume from L1712518-64 Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
TVS-2540					
L1712518-66	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:08	0-
This sample is also labelled as L1712518-64. Use volume from L1712518-64 Package Due Date: 06/01/17					
TVS-2540					
L1712518-67	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:23	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-68	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:23	0-
This sample is also labelled as L1712518-67. Use volume from L1712518-67 Package Due Date: 06/01/17					
TVS-2540					
L1712518-69	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:23	0-
This sample is also labelled as L1712518-67. Use volume from L1712518-67 Package Due Date: 06/01/17					
TVS-2540					
L1712518-70	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:33	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-71	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:33	0-
This sample is also labelled as L1712518-70. Use volume from L1712518-70 Package Due Date: 06/01/17					
TVS-2540					

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
L1712518-72	LDW-Y0-IN-ENR+AC-4-	3	S0	13APR17 14:33	0-
This sample is also labelled as L1712518-70. Use volume from L1712518-70 Package Due Date: 06/01/17					
TVS-2540					
L1712518-73	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:09	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-74	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:09	0-
This sample is also labelled as L1712518-73. Use volume from L1712518-73 Package Due Date: 06/01/17					
TVS-2540					
L1712518-75	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:09	0-
This sample is also labelled as L1712518-73. Use volume from L1712518-73 Package Due Date: 06/01/17					
TVS-2540					
L1712518-76	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:24	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-77	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:24	0-
This sample is also labelled as L1712518-76. Use volume from L1712518-76 Package Due Date: 06/01/17					
TVS-2540					
L1712518-78	LDW-Y0-IN-ENR+AC-5-	3	S0	13APR17 14:24	0-
This sample is also labelled as L1712518-76. Use volume from L1712518-76 Package Due Date: 06/01/17					

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container

TVS-2540

L1712518-79 LDW-Y0-IN-ENR+AC-5- 3 S0 13APR17 14:34 1-Glass-A.25
L1712518-79 MS L1712518-79 DUP Package Due Date: 06/01/17

DUP,MS,TVS-2540

L1712518-80 LDW-Y0-IN-ENR+AC-5- 3 S0 13APR17 14:34 0-
L1712518-80 MS This sample is also labelled as L1712518-79. Use volume from L1712518-79 L1712518-80
DUP Package Due Date: 06/01/17

DUP,MS,TVS-2540

L1712518-81 LDW-Y0-IN-ENR+AC-5- 3 S0 13APR17 14:34 0-
L1712518-81 MS This sample is also labelled as L1712518-79. Use volume from L1712518-79 L1712518-81
DUP Package Due Date: 06/01/17

DUP,MS,TVS-2540

L1712518-82 LDW-Y0-IN-ENR+AC-6- 3 S0 13APR17 14:10 1-Glass-A.25
| Package Due Date: 06/01/17

TVS-2540

L1712518-83 LDW-Y0-IN-ENR+AC-6- 3 S0 13APR17 14:10 0-
This sample is also labelled as L1712518-82. Use volume from L1712518-82 Package Due Date: 06/01/17

TVS-2540

L1712518-84 LDW-Y0-IN-ENR+AC-6- 3 S0 13APR17 14:10 0-
This sample is also labelled as L1712518-82. Use volume from L1712518-82 Package Due Date: 06/01/17

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 07 2017, 05:39 pm

Login Number: L1712518
Account: FLOYDSNI Floyd Snider Inc
Received: 19APR17 Due Date: 01JUN17

Sample #	Client ID	Mat	PR	Collected	Container
TVS-2540					
L1712518-85	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:25	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-86	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:25	0-
This sample is also labelled as L1712518-85. Use volume from L1712518-85 Package Due Date: 06/01/17					
TVS-2540					
L1712518-87	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:25	0-
This sample is also labelled as L1712518-85. Use volume from L1712518-85 Package Due Date: 06/01/17					
TVS-2540					
L1712518-88	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:35	1-Glass-A.25
| Package Due Date: 06/01/17					
TVS-2540					
L1712518-89	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:35	0-
This sample is also labelled as L1712518-88. Use volume from L1712518-88 Package Due Date: 06/01/17					
TVS-2540					
L1712518-90	LDW-Y0-IN-ENR+AC-6-	3	S0	13APR17 14:35	0-
This sample is also labelled as L1712518-88. Use volume from L1712518-88 Package Due Date: 06/01/17					
TVS-2540					

Logged By: Elizabeth Porta

Container Tracking

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1712518-01A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A	CUSTODY Sam Bardsley	W16-S4-D	CUSTODY	W16-S4-D CUSTODY Sam Bardsley
L1712518-01A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-01A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	F
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-01A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel
L1712518-01A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-01A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud
L1712518-01A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	F
L1712518-01A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W5-S5-C	CUSTODY Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud
L1712518-01A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN	CUSTODY Emily Keith	W5-S5-C	CUSTODY	W5-S5-C CUSTODY Emily Keith
L1712518-01A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ariana Summit
L1712518-01A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C	CUSTODY Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-01A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C	CUSTODY	W14-S4-C CUSTODY Roobenso Romain
L1712518-01A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-01A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sam
L1712518-01A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Ba
L1712518-01A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-01B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-01B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-02X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Emily Keith	W15-S6-A	CUSTODY	W15-S6-A CUSTODY Emily Keith
L1712518-02X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A	CUSTODY Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-02X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-02X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-02X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-02X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-02X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-02X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-02X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-03X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Emily Keith	W15-S6-A	CUSTODY	W15-S6-A CUSTODY Emily Keith
L1712518-03X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A	CUSTODY Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-03X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-03X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-03X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-03X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-03X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-03X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-03X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-07A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A	CUSTODY Sam Bardsley	W16-S4-D	CUSTODY	W16-S4-D CUSTODY Sam Bardsley
L1712518-07A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-07A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-07A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-07A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-07A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud
L1712518-07A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	
L1712518-07A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W5-S5-C CUSTODY	Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renau
L1712518-07A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-07A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-07A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-07A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-07A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-07A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-07A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-07A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-07B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-07B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-08X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-08X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-08X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-08X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-08X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-08X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-08X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-08X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-08X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-09X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-09X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-09X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-09X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-09X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-09X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-09X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-09X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-09X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-13A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A CUSTODY	Sam Bardsley	W16-S4-D	CUSTODY	W16-S4-D CUSTODY Sam Bardsley
L1712518-13A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN	CUSTODY Christina Mazza	W15-S5-A	CUSTODY	W15-S5-A CUSTODY Christina Mazza
L1712518-13A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ryan Donnelly
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-13A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel
L1712518-13A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-13A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud
L1712518-13A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	
L1712518-13A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W5-S5-C CUSTODY	Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renau
L1712518-13A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN	CUSTODY Emily Keith	W5-S5-C	CUSTODY	W5-S5-C CUSTODY Emily Keith
L1712518-13A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Ariana Summit
L1712518-13A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-13A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C	CUSTODY	W14-S4-C CUSTODY Roobenso Romain
L1712518-13A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-13A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-13A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-13A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-13B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-13B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-14X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-14X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-14X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-14X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-14X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-14X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-14X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-14X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-14X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-15X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-15X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-15X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-15X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-15X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-15X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-15X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-15X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-15X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-19A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A CUSTODY	Sam Bardsley	W16-S4-D CUSTODY	W16-S4-D CUSTODY	Sam Bardsley
L1712518-19A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-19A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-19A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel
L1712518-19A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-19A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud
L1712518-19A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	
L1712518-19A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W6-S4-A CUSTODY	Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renau
L1712518-19A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W6-S4-A CUSTODY	W6-S4-A CUSTODY	Emily Keith
L1712518-19A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-19A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-19A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-19A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-19A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-19A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-19A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-19B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-19B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-20X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-20X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-20X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-20X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-20X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-20X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-20X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-20X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-20X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-21X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-21X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-21X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-21X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-21X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-21X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-21X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-21X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-21X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-25A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A CUSTODY	Sam Bardsley	W16-S4-D CUSTODY	W16-S4-D CUSTODY	Sam Bardsley
L1712518-25A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-25A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-25A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel
L1712518-25A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-25A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-25A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	
L1712518-25A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W5-S5-C CUSTODY	Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renau
L1712518-25A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-25A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-25A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-25A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-25A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-25A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-25A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-25A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-25B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-25B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-26X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-26X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-26X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-26X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-26X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-26X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-26X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-26X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-26X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-27X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-27X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-27X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-27X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-27X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-27X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-27X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-27X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-27X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-31A	Glass-A.25	INTACT	06-JUN-17	CUSTODY	W15-S5-A CUSTODY	Sam Bardsley	W16-S4-D CUSTODY	W16-S4-D CUSTODY	Sam Bardsley
L1712518-31A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-31A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIG-D1	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-WET CHEMISTRY	Sonal Patel	A2-CUSTODY-REFRIG-D1	A2-CUSTODY-REFRIG-D1	Sonal Patel
L1712518-31A	Glass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S1	Sonal Patel	A2-WET CHEMISTRY	A2-WET CHEMISTRY	Sonal Patel
L1712518-31A	Glass-A.25	INTACT	26-MAY-17	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Fatima Cofie	A2-CUSTODY-MET3-S1	A2-CUSTODY-MET3-S1	Fatima Cofie
L1712518-31A	Glass-A.25	INTACT	26-MAY-17	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	A2-METALS PREP	A2-METALS PREP	Phillip Renaud
L1712518-31A	Glass-A.25	INTACT	26-MAY-17	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renaud	TRANSIT COURIER	COOLER2-TRANSFER_TO_MANSFIELD	
L1712518-31A	Glass-A.25	INTACT	26-MAY-17	CUSTODY	W5-S5-C CUSTODY	Phillip Renaud	COOLER2-TRANSFER_TO_MANSFIELD	COOLER2-TRANSFER_TO_MANSFIELD	Phillip Renau
L1712518-31A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-31A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-31A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-31A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-31A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-31A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-31A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-31A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-31B	Glass-A.5	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	A2-CUSTODY-GRAINSIZE1	A2-CUSTODY-GRAINSIZE1	Kim L. Bailey
L1712518-31B	Glass-A.5	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-32X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-32X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-32X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-32X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-32X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-32X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-32X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-32X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-32X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-33X	SGlass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-33X	SGlass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-33X	SGlass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-33X	SGlass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-33X	SGlass-A.25	INTACT	30-MAY-17	CUSTODY	CUSTODY	Kellie Powers	WETCHEM	WETCHEM	Kellie Powers
L1712518-33X	SGlass-A.25	INTACT	30-MAY-17	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Phillip Renaud
L1712518-33X	SGlass-A.25	INTACT	30-MAY-17	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER15-TRANSFER_TO_WESTBORO	
L1712518-33X	SGlass-A.25	INTACT	30-MAY-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER15-TRANSFER_TO_WESTBORO	COOLER15-TRANSFER_TO_WESTBORO	Kim L
L1712518-33X	SGlass-A.25	INTACT	30-MAY-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-37A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-37A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-37A	Glass-A.25	INTACT	02-JUN-17	CUSTODY	W6-S4-A CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1712518-37A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W6-S4-A CUSTODY	W6-S4-A CUSTODY	Emily Keith

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-37A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-37A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-37A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-37A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-37A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-37A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-37A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-40A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-40A	Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-40A	Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-40A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-40A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-40A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-40A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-40A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-43A	Glass-A.25	INTACT	07-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W15-S6-A CUSTODY	W15-S6-A CUSTODY	Emily Keith
L1712518-43A	Glass-A.25	INTACT	07-JUN-17	WETCHEM	W15-S5-A CUSTODY	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-43A	Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-43A	Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-43A	Glass-A.25	INTACT	02-JUN-17	CUSTODY	W2-S4-C CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1712518-43A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-43A	Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-43A	Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-43A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-43A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley

Container ID Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-43A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-43A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-43A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-46A Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-46A Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-46A Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-46A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-46A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-46A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-46A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-46A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-49A Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-49A Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-49A Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-49A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-49A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-49A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-49A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-49A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-52A Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-52A Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-52A Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-52A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-52A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-52A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-52A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-52A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-55A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W2-S4-C CUSTODY	W2-S4-C CUSTODY	Christina Mazza
L1712518-55A	Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-55A	Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-55A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-55A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-55A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-55A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-55A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-58A	Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-58A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-58A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-58A	Glass-A.25	INTACT	13-MAY-17		WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-58A	Glass-A.25	INTACT	13-MAY-17		W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-58A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-58A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-58A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-58A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-58A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-61A	Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-61A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-61A	Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-61A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-61A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley

Container ID Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-61A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-61A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-61A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-64A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-64A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-64A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-64A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-64A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-64A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-64A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-64A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-67A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-67A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-67A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-67A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-67A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-67A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-67A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-67A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-70A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-70A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-70A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-70A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-70A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-70A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa

Container ID Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-70A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-70A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-73A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-73A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-73A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-73A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-73A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-73A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-73A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-73A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-76A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-76A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-76A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-76A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-76A Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-76A Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-76A Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-76A Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-79A Glass-A.25	INTACT	04-JUN-17	CUSTODY	RETURN WALK-IN CUSTODY	Christina Mazza	W15-S5-A CUSTODY	W15-S5-A CUSTODY	Christina Mazza
L1712518-79A Glass-A.25	INTACT	03-JUN-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-79A Glass-A.25	INTACT	02-JUN-17	CUSTODY	W3-S4-D CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1712518-79A Glass-A.25	INTACT	15-MAY-17		RETURN WALK-IN CUSTODY	Emily Keith	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Emily Keith
L1712518-79A Glass-A.25	INTACT	14-MAY-17	CUSTODY	WETCHEM	Ryan Donnelly	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ryan Donnelly
L1712518-79A Glass-A.25	INTACT	14-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-79A Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-79A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-79A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-79A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-79A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-82A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-82A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-82A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-82A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-82A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-82A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-82A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-82A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-85A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-85A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-85A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-85A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-85A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley
L1712518-85A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-85A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-85A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey
L1712518-88A	Glass-A.25	INTACT	18-MAY-17	CUSTODY	RETURN WALK-IN CUSTODY	Emily Keith	W5-S5-C CUSTODY	W5-S5-C CUSTODY	Emily Keith
L1712518-88A	Glass-A.25	INTACT	17-MAY-17		WETCHEM	Ariana Summit	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ariana Summit
L1712518-88A	Glass-A.25	INTACT	16-MAY-17	CUSTODY	W14-S4-C CUSTODY	Ryan Donnelly	WETCHEM	WETCHEM	Ryan Donnelly
L1712518-88A	Glass-A.25	INTACT	27-APR-17		CUSTODY	Roobenso Romain	W14-S4-C CUSTODY	W14-S4-C CUSTODY	Roobenso Romain
L1712518-88A	Glass-A.25	INTACT	27-APR-17	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1712518-88A	Glass-A.25	INTACT	27-APR-17	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER9-TRANSFER_TO_WESTBORO	Sa
L1712518-88A	Glass-A.25	INTACT	27-APR-17	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey	COOLER9-TRANSFER_TO_WESTBORO	COOLER9-TRANSFER_TO_WESTBORO	Kim L.
L1712518-88A	Glass-A.25	INTACT	27-APR-17	A2-LOGIN	A2-LOGIN	Kim L. Bailey	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Kim L. Bailey

Chain of Custody

MANSFIELD CHAIN OF CUSTODY

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L17 12518

Project Information

Project Name: LDW ENR/AC Pilot Study
Project Location: LDW
Project #: TBD
Project Manager: Liz Porta
ALPHA Quote #: M2015033

Report Information / Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Client Information

Client: Amec Foster Wheeler
Address: 3500 188TH St. SW, Suite 601
Lynnwood, WA 98037
Phone: 425-921-4023
Fax:
Email: cliff.whitmus@amecfw.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: TBD Time: TBD

Other Project Specific Requirements/Comments/Detection Limits:
POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
12518 .01-06	LDW-Y0-IN-ENR-CA-CORE	4/13/17	1340	sediment	RG	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.07-12	LDW-Y0-IN-ENR-CB-CORE		1350	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.13-.18	LDW-Y0-IN-ENR-CC-CORE		1355	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.19-.24	LDW-Y0-IN-ENR+AC-CA-CORE		1415	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.25-30	LDW-Y0-IN-ENR+AC-CB-CORE		1430	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.31-36	LDW-Y0-IN-ENR+AC-CC-CORE		1440	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.37-39	LDW-Y0-IN-ENR+AC-1-A-COR		1405	sediment		☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		1
.40-42	LDW-Y0-IN-ENR+AC-1-B-COR		1420	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.43-45	LDW-Y0-IN-ENR+AC-1-C-COR		1430	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.46-48	LDW-Y0-IN-ENR+AC-2-A-COR		1406	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
					Container Type	A	A	A	-	-	-	-	-	-	-	-	-		
					Preservative	A	A	A	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Gilmore AMECFW	4/17/17 0900	FedEx	
FedEx		Ken O'Brien - ANL	4/19/17 1027

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 101-09(I-NJ) (rev. 5-JAN-12)

MANSFIELD CHAIN OF CUSTODY

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L1712518

Project Information

Project Name: LDW ENR/AC Pilot Study

Project Location: LDW

Project #: TBD

Project Manager: Liz Porta

ALPHA Quote #: M2015033

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program *Criteria*

Client Information

Client: Amec Foster Wheeler

Address: 3500 188TH St. SW, Suite 601

Lynnwood, WA 98037

Phone: 425-921-4023

Fax:

Email: cliff.whitmus@amecfw.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: TBD Time: TBD

Other Project Specific Requirements/Comments/Detection Limits:

POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
2518.49-51	LDW-Y0-IN-ENR+AC-2-B-COR	4/13/17	1421	sediment	RG	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.52-54	LDW-Y0-IN-ENR+AC-2-C-COR		1431	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.55-57	LDW-Y0-IN-ENR+AC-3-A-COR		1407	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.58-60	LDW-Y0-IN-ENR+AC-3-B-COR		1422	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.61-63	LDW-Y0-IN-ENR+AC-3-C-COR		1432	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.64-66	LDW-Y0-IN-ENR+AC-4-A-COR		1408	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.67-69	LDW-Y0-IN-ENR+AC-4-B-COR		1423	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.70-72	LDW-Y0-IN-ENR+AC-4-C-COR		1433	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.73-75	LDW-Y0-IN-ENR+AC-5-A-COR		1409	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.76-78	LDW-Y0-IN-ENR+AC-5-B-COR		1424	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
					Container Type	A	A	A	-	-	-	-	-	-	-	-	-		
					Preservative	A	A	A	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Coleman AmecFW	4/17/17 0900	FedEx	
fed ex		[illegible] - AAL	4/19/17 10:27

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 101-09(I-NJ)
(rev. 5-JAN-12)

MANSFIELD CHAIN OF CUSTODY

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L1712518

Client Information

Client: Amec Foster Wheeler
Address: 3500 188TH St. SW, Suite 601
Lynnwood, WA 98037
Phone: 425-921-4023
Fax:
Email: cliff.whitmus@amecfw.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: LDW ENR/AC Pilot Study
Project Location: LDW
Project #: TBD
Project Manager: Liz Porta
ALPHA Quote #: M2015033

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: TBD Time: TBD

Report Information / Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:
POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
.79-81	LDW-Y0-IN-ENR+AC-5-C-COR	4/13/17	1434	sediment	RG	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		1
.82-84	LDW-Y0-IN-ENR+AC-6-A-COR		1410	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.85-87	LDW-Y0-IN-ENR+AC-6-B-COR		1425	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.88-90	LDW-Y0-IN-ENR+AC-6-C-COR		1435	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	A	A	A	-	-	-	-	-	-	-	-	-	
Preservative	A	A	A	-	-	-	-	-	-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Coleman Fedex	4/17/17 0900	Fedex	
		Lin Chaffee-AAC	4/19/17 1027

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 101-09(I-NJ)
(rev. 5-JAN-12)

Wet Chemistry

Total Volatile Solids Analysis

Sample Raw Data

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C
in 105 21:30
out 6:00 5-17
in 7:25
out 10:30
in 550 7:00 5-18
out 10:45
in 6:35 5-19
out 10:00

Sample Number: _____
Client: _____
Analysis: T V S
Method: SM 2540E

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 5/16/2017 21:00
Technician: RPD
Work group: WG1004085
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1004085-1	117	13.4979	0	13.4981	13.4977	13.4979	13.4777		0.0	
DUP	WG1004085-2	106	14.4895	10.8928	25.0782	25.086	24.2821	24.273		7.6	L1712518-37
	L1712518-01	114	14.8579	11.1638	25.9081	25.9127	25.8132	25.8057		0.9	
	L1712518-02	D1	12.4367	10.6269	22.9587	22.963	22.8677	22.861		0.9	
	L1712518-03	117	14.3626	11.4977	25.7509	25.7552	25.6314	25.6232		1.1	
SAMP	L1712518-07	5	12.0778	10.8249	22.7934	22.7974	22.7188	22.7103		0.8	
SAMP	L1712518-08	119	17.1291	10.6863	27.7134	27.7161	27.6282	27.6191		0.9	
SAMP	L1712518-09	148	15.1991	10.5549	25.6554	25.6594	25.5667	25.5584		0.9	
SAMP	L1712518-13	116	13.7239	11.481	25.0893	25.094	24.9926	24.9845		0.9	
SAMP	L1712518-14	GL	12.3182	10.8237	23.0354	28.0393	22.9462	22.9396		0.9	
SAMP	L1712518-15	115	15.4994	11.9786	27.3587	27.3636	27.2523	27.2432		1.0	
SAMP	L1712518-19	800	14.653	11.4364	25.9012	25.9076	25.4312	25.4251		4.2	
SAMP	L1712518-20	152	16.9343	11.0558	27.8049	27.811	27.329	27.322		4.4	
SAMP	L1712518-21	150	15.8396	11.2345	26.8964	26.9018	26.4523	26.4455		4.1	
SAMP	L1712518-25	110	15.5682	11.5102	26.8573	26.8635	26.3618	26.3544		4.5	
SAMP	L1712518-26	701	14.6399	11.7742	26.2095	26.2154	25.7424	25.735		4.1	
SAMP	L1712518-27	808	16.5283	11.2997	27.6339	27.6404	27.0558	27.0468		5.3	
SAMP	L1712518-31	145	16.2866	10.7043	26.784	26.7907	26.2315	26.2244		5.3	
SAMP	L1712518-32	149	15.8135	11.5542	27.1499	27.1562	26.5368	26.5291		5.5	
SAMP	L1712518-33	124	14.4445	10.4718	24.7251	24.7307	24.2085	24.2011		5.1	
SAMP	L1712518-37	101	15.3791	11.868	26.9234	26.9312	26.0766	26.0684		7.4	
SAMP	L1712518-83	X1	15.8752	11.0637	26.7483	26.7543	26.1812	26.1753		5.3	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C
in 105 21:10
out 6:00 5-17
in 7:20
out 10:30
in 550 10:50 5-18
out 6:25 5-19
in 10:00
out 11:25

Sample Number: _____
Client: _____
Analysis: T V S
Method: SM 2540E

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 5/16/2017 19:50
Technician: RPD
Work group: WG1004086
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1004086-1	41	18.0001	0	17.9997	17.9992	18.0011	18.0006		0.0	
DUP	WG1004086-2	82	17.3279	11.9702	29.0806	29.0843	27.9411	27.9403		9.7	L1712518-38
SAMP	L1712518-38	17	19.5707	12.494	31.6727	31.6823	30.6092	30.6074		8.8	
SAMP	L1712518-82	1	29.502	10.7031	39.9634	39.9711	39.2089	39.2064		7.2	
SAMP	L1712518-84	10	30.0327	13.1219	42.8856	42.8942	42.0423	42.0404		6.6	
SAMP	L1712518-85	B	27.7373	12.751	40.3034	40.3094	39.6933	39.6899		4.9	
SAMP	L1712518-86	D2	29.3544	12.1176	41.3111	41.3174	40.7898	40.784		4.4	
SAMP	L1712518-87	A	29.3189	12.3312	41.4563	41.4617	40.9557	40.9538		4.1	
SAMP	L1712518-88	7	26.7585	11.3491	37.936	37.9413	37.4641	37.462		4.2	
SAMP	L1712518-89	9	28.4378	12.1871	40.4594	40.4647	39.9931	39.9904		3.9	
SAMP	L1712518-90	11	29.4965	13.8629	43.1687	43.1739	42.5396	42.5374		4.6	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C

Sample Number: _____
in 105 20:10
out 5:50 6-5
Client: _____
in 7:30
out 8:00
Analysis: T V S
in 550 18:35 6-5
Method: SM 2540E
out 9:05 6-6
in 10:45
out 11:35

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 6/3/2017 20:00
Technician: rpd
Work group: wg1009224
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1009224-1	A	15.8752	0	15.8758	15.8762	15.8788	15.8789		0.0	
DUP	WG1009224-2	B	14.4896	12.2922	26.4304	26.4342	25.4741	25.4755		8.0	L1712518-39
SAMP	L1712518-28	11	9.3526	7.7918	16.9887	16.9913	16.6717	16.6733		4.2	
SAMP	L1712518-29	C	14.6125	7.6443	22.1227	21.1255	21.8435	21.8447		0.0	
SAMP	L1712518-30	G1	12.3184	7.3267	19.5059	19.5092	19.2155	19.2159		4.0	
SAMP	L1712518-34	D	14.1615	7.7481	21.7716	21.7753	21.467	21.47		4.0	
SAMP	L1712518-35	E	15.7628	8.3966	24.0055	24.0101	23.6535	23.6552		4.3	
SAMP	L1712518-36	F	14.6401	8.2974	22.7807	22.7855	22.4334	22.4355		4.3	
SAMP	L1712518-39	G1	13.6361	13.1037	26.3472	26.3514	25.2947	25.2946		8.3	
SAMP	L1712518-43	H	15.0768	11.2424	26.0458	25.0495	25.3798	25.3799		0.0	
	L1712837-24	5	12.078	7.9453	20.0024	20.0045	19.898	19.8997		1.3	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C

Sample Number: _____
in 105 20:10
out 5:50 6-5

Client: _____
in 7:30
out 8:00

Analysis: T V S
in 550 18:35 6-5
out 9:05 6-6

Method: SM 2540E
in 10:45
out 11:35

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 6/3/2017 20:00
Technician: rpd
Work group: wg1009226
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1009226-1	A	15.8752	0	15.8758	15.8762	15.8788	15.8789		0.0	
DUP	WG1009226-2	D1	12.4368	10.2069	22.5149	22.5189	22.111	22.1117		4.0	L1712518-80
SAMP	L1712518-80	I	18.1781	10.3343	28.395	28.3968	28.0042	28.0064		3.8	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
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										0.0	
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										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C

Sample Number: _____
in 105 20:10
out 5:50 6-5
Client: _____
in 7:30
out 8:00
Analysis: T V S
in 550 18:35 6-5
Method: SM 2540E
out 9:05 6-6
in 10:45
out 11:35

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 6/3/2017 20:00
Technician: rpd
Work group: wg1009227
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1009227-1	A	15.8752	0	15.8758	15.8762	15.8788	15.8789		0.0	
DUP	WG1009227-2	J	16.4942	11.148	27.5018	27.5038	27.0582	27.0599		4.0	L1712518-81
SAMP	L1712518-81	K	15.6319	14.0677	29.5387	29.5426	28.8254	28.8262		5.1	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C
in 105 14:10
out 10:00 5-15
in 11:15
out 15:25
in 550 19:30
out 6:00 5-16
in 10:00
out 11:35

Sample Number: _____
Client: _____
Analysis: T V S
Method: SM 2540E

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 5/14/2017 13:50
Technician: RPD
Work group: WG1003381
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1003381-1	X4	14.5029	0	14.5009	14.5029	14.5017	14.5032		0.0	
DUP	WG1003381-2	X8	15.6307	11.6762	27.1274	27.12763	26.5357	26.5367		5.1	L1712518-79
SAMP	L1712518-58	X7	15.2038	10.4402	25.5539	25.554	25.2922	25.2958		2.5	
SAMP	L1712518-61	X6	16.714	12.055	28.5984	28.5987	28.052	28.0558		4.6	
SAMP	L1712518-62	X5	14.1612	10.4498	24.4601	24.4605	23.9869	23.9877		4.6	
SAMP	L1712518-63	K9	14.611	10.9682	25.4245	25.4248	24.9348	24.9378		4.5	
SAMP	L1712518-64	X9	17.0957	11.0195	27.9861	27.9866	27.6346	27.6363		3.2	
SAMP	L1712518-65	A4	13.9327	11.1206	24.9349	24.9349	24.5794	24.5783		3.2	
SAMP	L1712518-66	K6	16.1197	10.5287	26.5367	26.5368	26.2277	26.2259		3.0	
SAMP	L1712518-67	K5	15.8826	10.5214	26.2689	26.2691	25.9093	25.9143		3.5	
SAMP	L1712518-68	A6	15.127	10.7238	25.7211	25.7218	25.3819	25.2958		4.0	
SAMP	L1712518-69	K8	14.0866	11.039	24.9926	24.9932	24.645	24.6471		3.2	
SAMP	L1712518-70	X3	13.0461	10.2122	23.1387	23.1393	22.8468	22.8482		2.9	
SAMP	L1712518-71	K7	15.646	11.0596	26.579	26.5793	26.0559	26.0567		4.8	
SAMP	L1712518-72	A1	15.077	10.5008	25.4601	25.4605	25.1227	25.1232		3.2	
SAMP	L1712518-73	A2	15.761	10.789	26.4744	26.4744	26.266	26.2684		1.9	
SAMP	L1712518-74	A3	15.2874	10.4972	25.7179	25.7178	25.547	25.5485		1.6	
SAMP	L1712518-75	K4	16.839	10.3044	27.0736	27.0735	26.8863	26.8883		1.8	
SAMP	L1712518-76	K2	15.4579	10.8362	26.1544	26.1547	25.7684	25.7667		3.6	
SAMP	L1712518-77	K3	18.1782	10.4544	28.5077	28.5077	28.151	28.1527		3.5	
SAMP	L1712518-78	A5	15.9915	10.5803	26.4449	26.4448	26.0845	26.0863		3.4	
SAMP	L1712518-79	X2	15.593	11.7871	27.2139	27.2139	26.7209	26.7236		4.2	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C
in 105 15:15
out 12:00 5-14
in 13:20
out 15:20
in 550 20:10
out 8:15 5-15
in 10:00
out 11:00

Sample Number: _____
Client: _____
Analysis: T V S
Method: SM 2540E

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 5/13/2017 15:00
Technician: rpd
Work group: wg1003289
MDL: 0.10%

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	105 degree C Net Weight(1) (gm)	105 degree C Net Weight(2) (gm)	550 degree C Net Weight(1) (gm)	550 degree C Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1003289-1	12	13.8905	0	13.8905	13.89	13.8917	13.8906		0.0	
DUP	WG1003289-2	61	12.3181	13.4509	25.4287	25.4285	24.6047	24.6027		6.3	L1712518-40
	L1712518-40	112	16.5277	12.5595	28.8104	28.8099	28.1206	28.1213		5.6	
	L1712518-41	DI	12.4365	14.8776	27.0074	27.0071	26.2431	26.2566		5.2	
	L1712518-42	11	9.3527	10.7402	19.8839	19.8838	19.3976	19.3869		4.7	
REDO	xL1712518-43	JP	8.6301	10.8352	19.138	19.1376	18.3259	17.3931		16.6	
	L1712518-44	22	9.0433	10.2365	18.9719	18.9718	18.2247	18.2235		7.5	
	L1712518-45	63	15.1979	10.7305	25.6323	25.632	24.8402	24.8383		7.6	
	L1712518-46	118	16.9336	10.2817	27.0946	27.0943	26.7410	26.7393		3.5	
	L1712518-47	5	12.0777	10.9813	22.9423	22.942	22.6026	22.5838		3.3	
	L1712518-48	17	19.5703	15.3366	34.7386	34.738	34.2587	34.2555		3.2	
	L1712518-49	B	17.7274	18.938	36.2559	36.2551	35.1946	35.1893		5.8	
	L1712518-50	10	16.6148	14.6112	30.9428	30.9419	30.2345	30.222		5.0	
	L1712518-51	5	29.7909	18.3596	47.7686	47.7671	46.7902	46.7816		5.5	
	L1712518-52	82	17.5275	16.2211	33.4402	33.4389	32.5157	32.5098		5.8	
	L1712518-53	41	17.9997	19.2227	36.9207	36.9195	36.0276	36.0218		4.7	
	L1712518-54	20	29.3538	24.1656	53.1161	53.1145	51.8989	51.8935		5.1	
	L1712518-55	1	29.5015	22.4535	51.5626	51.5622	50.3037	50.2996		5.7	
	L1712518-56	11	29.4963	24.0166	53.1399	53.1396	51.9595	51.9555		5.0	
	L1712518-57	12	27.7436	25.9376	53.3068	53.3061	52.1491	52.1428		4.6	
	L1712518-59	34	43.7619	30.6122	74.0869	74.0851	73.1714	73.1645		3.0	
	L1712518-60	6	33.2707	21.9244	55.0119	55.0101	54.4196	54.4166		2.7	
										0.0	
										0.0	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL VOLATILE SOLIDS

Last Change 08/26/05 GFF
File tvs_s.xlt

oven C
in 105 22:00
out 0:35 6-7
in 01:20
out 4:00
in 550 5:50
out 7:50
in 9:50
out 11:50

Sample Number: _____

Client: _____

Analysis: T V S
Method: SM 2540E

Product: TVS-2540
Analyte: Solids, Total Volatile
Analysis Date: 06/06/17 21:30
Technician: rpd
Work group: wg1010440
MDL: 0.10%

! "# $%& '%% (550 degree C

	Sample Number	Symbol	Tare weight (gm)	Sample Weight (gm)	Net Weight(1) (gm)	Net Weight(2) (gm)	Net Weight(1) (gm)	Net Weight(2) (gm)	MDL MULT.	RESULT %	
BLANK	WG1010440-1	B	19.8712	0	19.8704	19.8704	19.8717	19.8709		0.0	
DUP	WG1010440-2	49	19.2458	6.9099	26.0867	26.0875	26.0299	26.0252		0.9	L1712518-04
	L1712518-04	6	18.2915	6.8727	25.0974	25.0983	25.0407	25.0362		0.9	
	L1712518-05	77	18.48	7.266	25.6776	25.6786	25.6197	25.6149		0.9	
	L1712518-06	2	17.6262	7.1577	24.7159	24.7168	24.6562	24.6516		0.9	
SAMP	L1712518-10	22	18.4315	7.2077	25.5502	25.5514	25.4837	25.4793		1.0	
SAMP	L1712518-11	B	17.7275	6.8747	24.533	24.5342	24.4705	24.4663		1.0	
SAMP	L1712518-12	97	19.8446	6.6432	26.4229	26.4233	26.3603	26.3561		1.0	
SAMP	L1712518-16	9	17.8629	6.5848	24.3823	24.3833	24.3271	24.3229		0.9	
SAMP	L1712518-17	8	19.2926	7.2403	26.4633	26.4639	26.4033	26.399		0.9	
SAMP	L1712518-18	11	17.9995	7.2237	25.1552	25.1557	25.0947	25.0908		0.9	
SAMP	L1712518-22	7	17.7298	5.8656	23.4994	23.5003	23.2733	23.2693		4.0	
SAMP	L1712518-23	R	19.6879	3.28	22.9126	22.9129	22.7797	22.7772		4.2	
SAMP	L1712518-24	13	17.919	5.1557	22.9829	22.9837	22.7467	22.7434		4.7	
SAMP	L1712518-28	53	15.0765	1.4863	16.5386	16.5386	16.4794	16.4792		4.1	
SAMP	L1712518-29	17	19.5707	1.4129	20.963	20.9623	20.9082	20.9074		3.9	
SAMP	L1712518-30	C	19.2753	1.2871	20.5422	20.5417	20.4836	20.4833		4.6	
SAMP	L1712518-34	11	18.1422	3.068	21.1566	21.1562	21.0193	21.0166		4.6	
SAMP	L1712518-35	47	19.3094	2.8849	22.148	22.1476	22.0276	22.0254		4.3	
SAMP	L1712518-36	MS	18.5432	3.0219	21.5142	21.5139	21.3832	21.3804		4.5	
SAMP	L1712518-43	20	14.6532	12.5994	26.9644	26.9637	26.3707	26.2451		5.8	
										0.0	
										0.0	
										0.0	

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1003289 for Department: 7 Wet Chemistry

Created: 13-MAY-17 Due: Operator: RPD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-40	LDW-Y0-IN-ENR+AC-1-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-41	LDW-Y0-IN-ENR+AC-1-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-42	LDW-Y0-IN-ENR+AC-1-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-44	LDW-Y0-IN-ENR+AC-1-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-45	LDW-Y0-IN-ENR+AC-1-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-46	LDW-Y0-IN-ENR+AC-2-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-47	LDW-Y0-IN-ENR+AC-2-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-48	LDW-Y0-IN-ENR+AC-2-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-49	LDW-Y0-IN-ENR+AC-2-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-50	LDW-Y0-IN-ENR+AC-2-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-51	LDW-Y0-IN-ENR+AC-2-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-52	LDW-Y0-IN-ENR+AC-2-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-53	LDW-Y0-IN-ENR+AC-2-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-54	LDW-Y0-IN-ENR+AC-2-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-55	LDW-Y0-IN-ENR+AC-3-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-56	LDW-Y0-IN-ENR+AC-3-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-57	LDW-Y0-IN-ENR+AC-3-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-59	LDW-Y0-IN-ENR+AC-3-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-60	LDW-Y0-IN-ENR+AC-3-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
WG1003289-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1003289-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1003289-2 L1712518-40

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1003381 for Department: 7 Wet Chemistry

Created: 14-MAY-17 Due: Operator: RPD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-58	LDW-Y0-IN-ENR+AC-3-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-61	LDW-Y0-IN-ENR+AC-3-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-62	LDW-Y0-IN-ENR+AC-3-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-63	LDW-Y0-IN-ENR+AC-3-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-64	LDW-Y0-IN-ENR+AC-4-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-65	LDW-Y0-IN-ENR+AC-4-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-66	LDW-Y0-IN-ENR+AC-4-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-67	LDW-Y0-IN-ENR+AC-4-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-68	LDW-Y0-IN-ENR+AC-4-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-69	LDW-Y0-IN-ENR+AC-4-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-70	LDW-Y0-IN-ENR+AC-4-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-71	LDW-Y0-IN-ENR+AC-4-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-72	LDW-Y0-IN-ENR+AC-4-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-73	LDW-Y0-IN-ENR+AC-5-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-74	LDW-Y0-IN-ENR+AC-5-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-75	LDW-Y0-IN-ENR+AC-5-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-76	LDW-Y0-IN-ENR+AC-5-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-77	LDW-Y0-IN-ENR+AC-5-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-78	LDW-Y0-IN-ENR+AC-5-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-79	LDW-Y0-IN-ENR+AC-5-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
WG1003381-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1003381-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1003381-2 L1712518-79

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1004085 for Department: 7 Wet Chemistry

Created: 16-MAY-17 Due: Operator: RPD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-01	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-02	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-03	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-07	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-08	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-09	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-13	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-14	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-15	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-20	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-21	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-26	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-27	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-32	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-33	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	SGlass-A.25
L1712518-37	LDW-Y0-IN-ENR+AC-1-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-83	LDW-Y0-IN-ENR+AC-6-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
WG1004085-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1004085-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1004085-2 L1712518-37

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1004086 for Department: 7 Wet Chemistry

Created: 16-MAY-17 Due: Operator: RPD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-38	LDW-Y0-IN-ENR+AC-1-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-82	LDW-Y0-IN-ENR+AC-6-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-84	LDW-Y0-IN-ENR+AC-6-A	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-85	LDW-Y0-IN-ENR+AC-6-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-86	LDW-Y0-IN-ENR+AC-6-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-87	LDW-Y0-IN-ENR+AC-6-B	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-88	LDW-Y0-IN-ENR+AC-6-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-89	LDW-Y0-IN-ENR+AC-6-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-90	LDW-Y0-IN-ENR+AC-6-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
WG1004086-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1004086-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1004086-2 L1712518-38

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1009224 for Department: 7 Wet Chemistry

Created: 02-JUN-17 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-39	LDW-Y0-IN-ENR+AC-1-A	S	TVS-2540	SOIL	DONE	U		0420 0601	S0	Glass-A.25
WG1009224-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1009224-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1009224-2 L1712518-39

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1009226 for Department: 7 Wet Chemistry

Created: 02-JUN-17 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-80	LDW-Y0-IN-ENR+AC-5-C	S	TVS-2540	SOIL	DONE	U		0420 0601	S0	Glass-A.25
WG1009226-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1009226-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1009226-2 L1712518-80

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1009227 for Department: 7 Wet Chemistry

Created: 02-JUN-17 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-81	LDW-Y0-IN-ENR+AC-5-C	S	TVS-2540	SOIL	DONE	U		0420 0601	S0	Glass-A.25
WG1009227-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1009227-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1009227-2 L1712518-81

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 07 2017, 04:03 pm

Work Group: WG1010440 for Department: 7 Wet Chemistry

Created: 06-JUN-17 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-04	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-05	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-06	LDW-Y0-IN-ENR-CA-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-10	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-11	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-12	LDW-Y0-IN-ENR-CB-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-16	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-17	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-18	LDW-Y0-IN-ENR-CC-COR	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-22	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-23	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-24	LDW-Y0-IN-ENR+AC-CA-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-28	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-29	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-30	LDW-Y0-IN-ENR+AC-CB-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-34	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-35	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-36	LDW-Y0-IN-ENR+AC-CC-	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
L1712518-43	LDW-Y0-IN-ENR+AC-1-C	S	TVS-2540	SOIL	DONE	U	0420	0601	S0	Glass-A.25
WG1010440-1	Laboratory Method Bl	S	TVS-2540	SOIL	DONE	U				
WG1010440-2	Duplicate Sample	S	TVS-2540	SOIL	DONE	U				

Comments:

WG1010440-2 L1712518-04

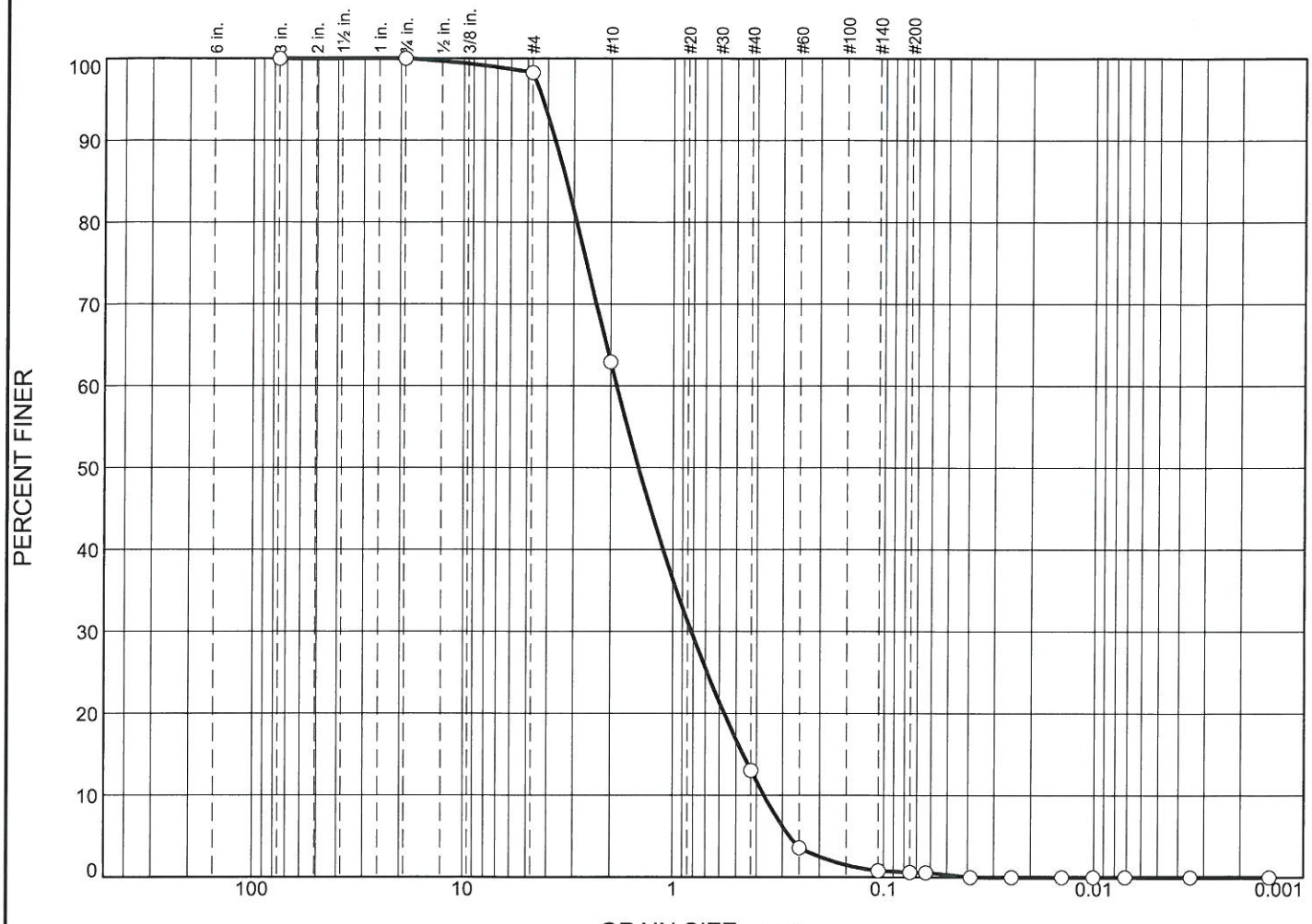
Grainsize Analysis

Sample Raw Data

ASTM D422-63

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.7	35.4	49.9	12.4	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.2625	1.8718	1.4662	0.8180	0.4638	0.3693	0.97	5.07

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CA-CORE-1 **Sample No.:** L1712518-01

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CA-CORE-1
Sample Number: L1712518-01
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
145.32	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.52	0.00	98.3
		#10	51.40	0.00	62.9
		#40	72.49	0.00	13.0
		#60	13.71	0.00	3.6
		#140	4.07	0.00	0.8
		#200	0.24	0.00	0.6
		#230	0.08	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =145.32
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

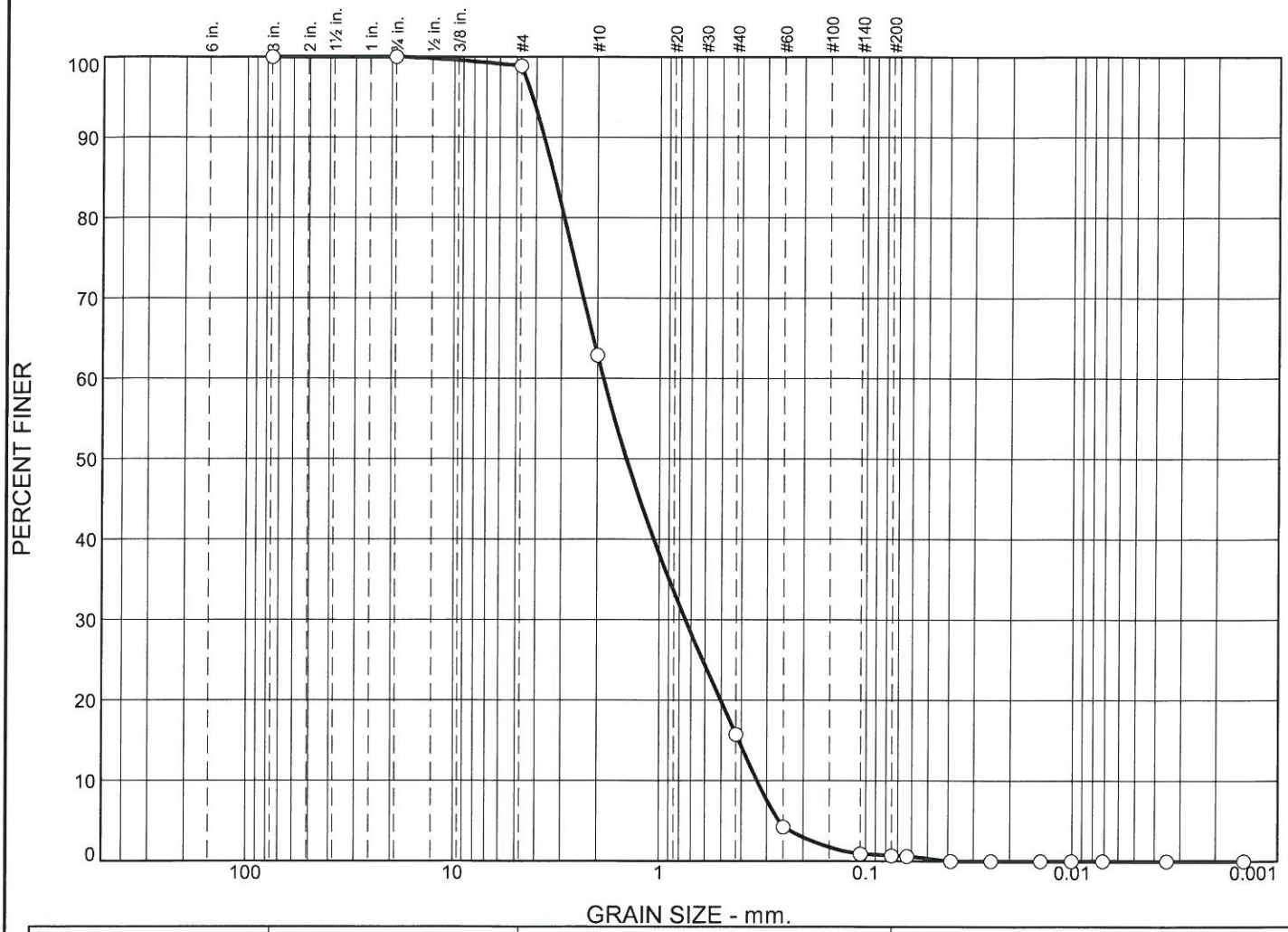
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.7	1.7	35.4	49.9	12.4	97.7			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3693	0.4638	0.5698	0.8180	1.4662	1.8718	2.9097	3.2625	3.6907	4.2486

Fineness Modulus	C_u	C_c
3.61	5.07	0.97

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	36.0	47.1	15.1	0.7	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.2516	1.8695	1.4423	0.7479	0.4124	0.3359	0.89	5.57

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CA-CORE-1 **Sample No.:** WG1007380-1

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CA-CORE-1
Sample Number: WG1007380-1
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
148.75	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.70	0.00	98.9
		#10	53.54	0.00	62.9
		#40	70.08	0.00	15.8
		#60	17.13	0.00	4.2
		#140	4.98	0.00	0.9
		#200	0.29	0.00	0.7
		#230	0.10	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =148.75
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

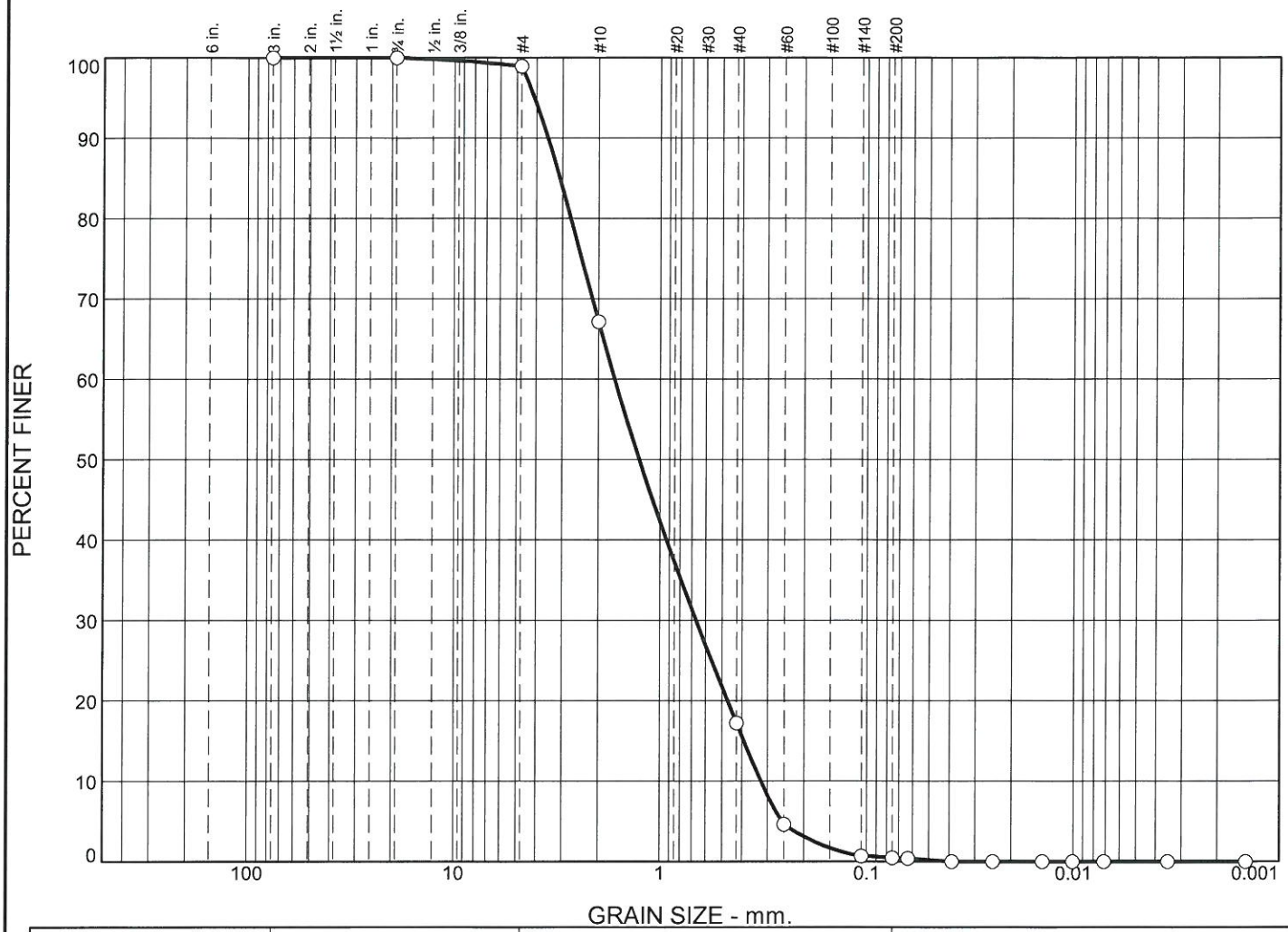
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.1	1.1	36.0	47.1	15.1	98.2			0.7

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3359	0.4124	0.5044	0.7479	1.4423	1.8695	2.9086	3.2516	3.6628	4.1889

Fineness Modulus	C_u	C_c
3.54	5.57	0.89

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	31.8	49.9	16.7	0.5	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.0911	1.6661	1.2616	0.6679	0.3923	0.3241	0.83	5.14

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CB-CORE-1 **Sample No.:** L1712518-07

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CB-CORE-1
Sample Number: L1712518-07
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
110.87	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.18	0.00	98.9
		#10	35.27	0.00	67.1
		#40	55.34	0.00	17.2
		#60	13.95	0.00	4.6
		#140	4.36	0.00	0.7
		#200	0.25	0.00	0.5
		#230	0.10	0.00	0.4

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.4
Weight of hydrometer sample =110.87
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

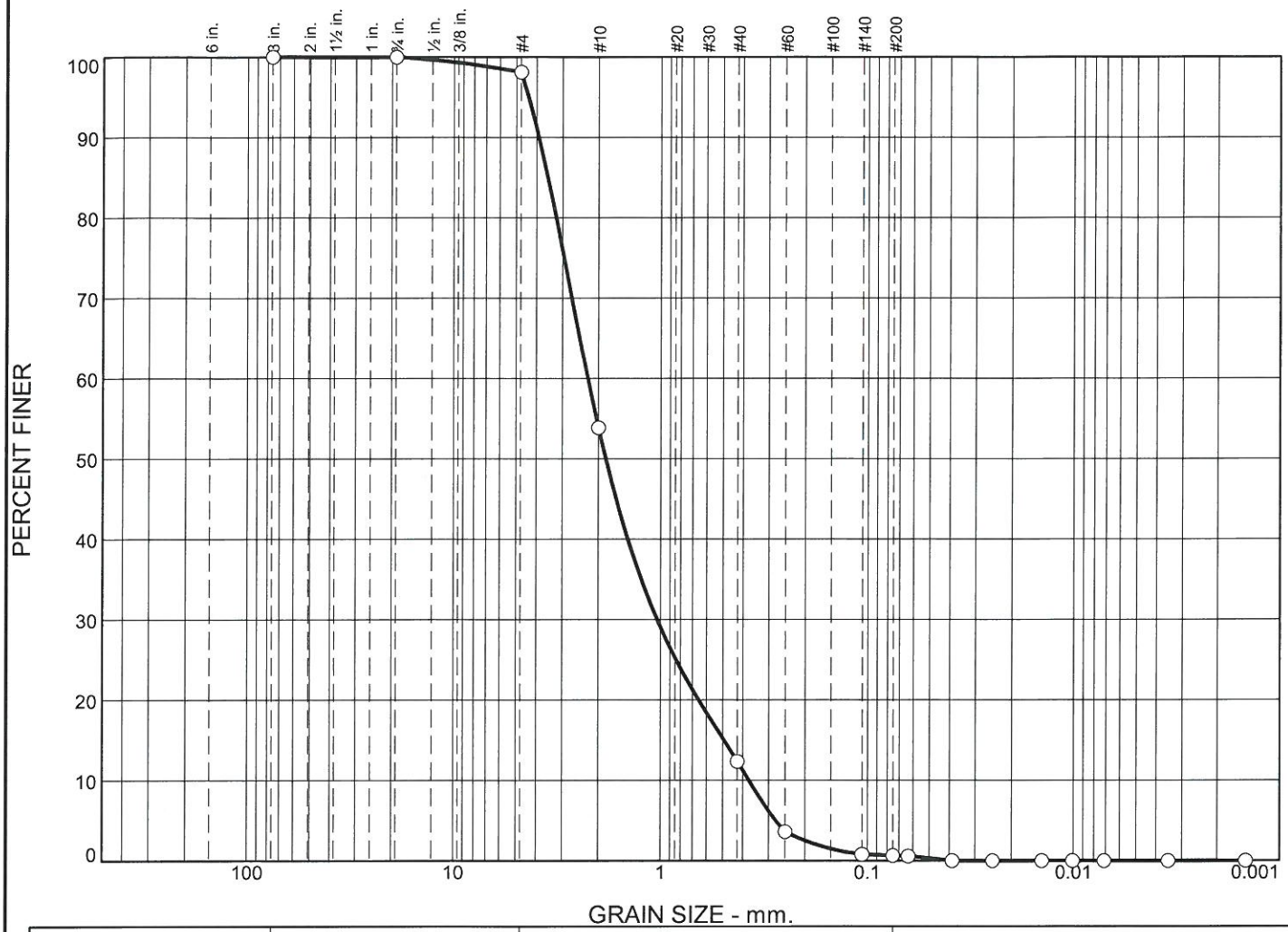
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.1	1.1	31.8	49.9	16.7	98.4			0.5

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3241	0.3923	0.4699	0.6679	1.2616	1.6661	2.7303	3.0911	3.5299	4.1030

Fineness Modulus	C_u	C_c
3.43	5.14	0.83

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.9	44.2	41.6	11.7	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.5353	2.2523	1.8441	1.0392	0.4938	0.3740	1.28	6.02

	Material Description	USCS	AASHTO
○		SW	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CC-CORE-1 **Sample No.:** L1712518-13

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CC-CORE-1
Sample Number: L1712518-13
USCS Classification: SW

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
186.22	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	3.53	0.00	98.1
		#10	82.41	0.00	53.9
		#40	77.30	0.00	12.3
		#60	16.30	0.00	3.6
		#140	5.21	0.00	0.8
		#200	0.30	0.00	0.6
		#230	0.10	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =186.22
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

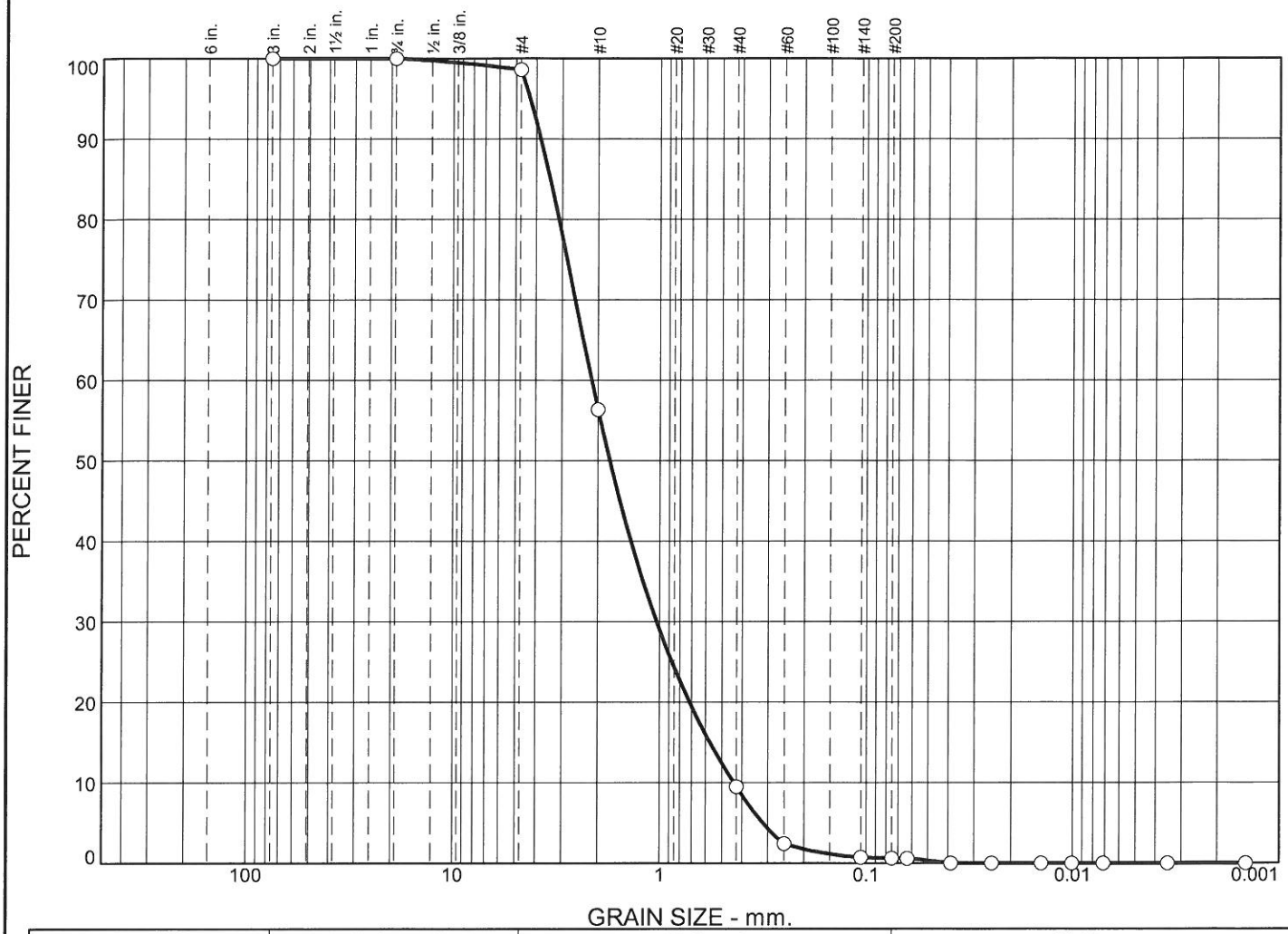
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.9	1.9	44.2	41.6	11.7	97.5			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3740	0.4938	0.6544	1.0392	1.8441	2.2523	3.2203	3.5353	3.9077	4.3747

Fineness Modulus	C_u	C_c
3.80	6.02	1.28

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.4	42.2	46.9	8.9	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.4358	2.1479	1.7508	1.0347	0.5720	0.4380	1.14	4.90

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CA-CORE-1 **Sample No.:** L1712518-19

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CA-CORE-1
Sample Number: L1712518-19
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
176.43	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.51	0.00	98.6
		#10	74.49	0.00	56.4
		#40	82.70	0.00	9.5
		#60	12.50	0.00	2.4
		#140	2.99	0.00	0.7
		#200	0.16	0.00	0.6
		#230	0.06	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =176.43
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

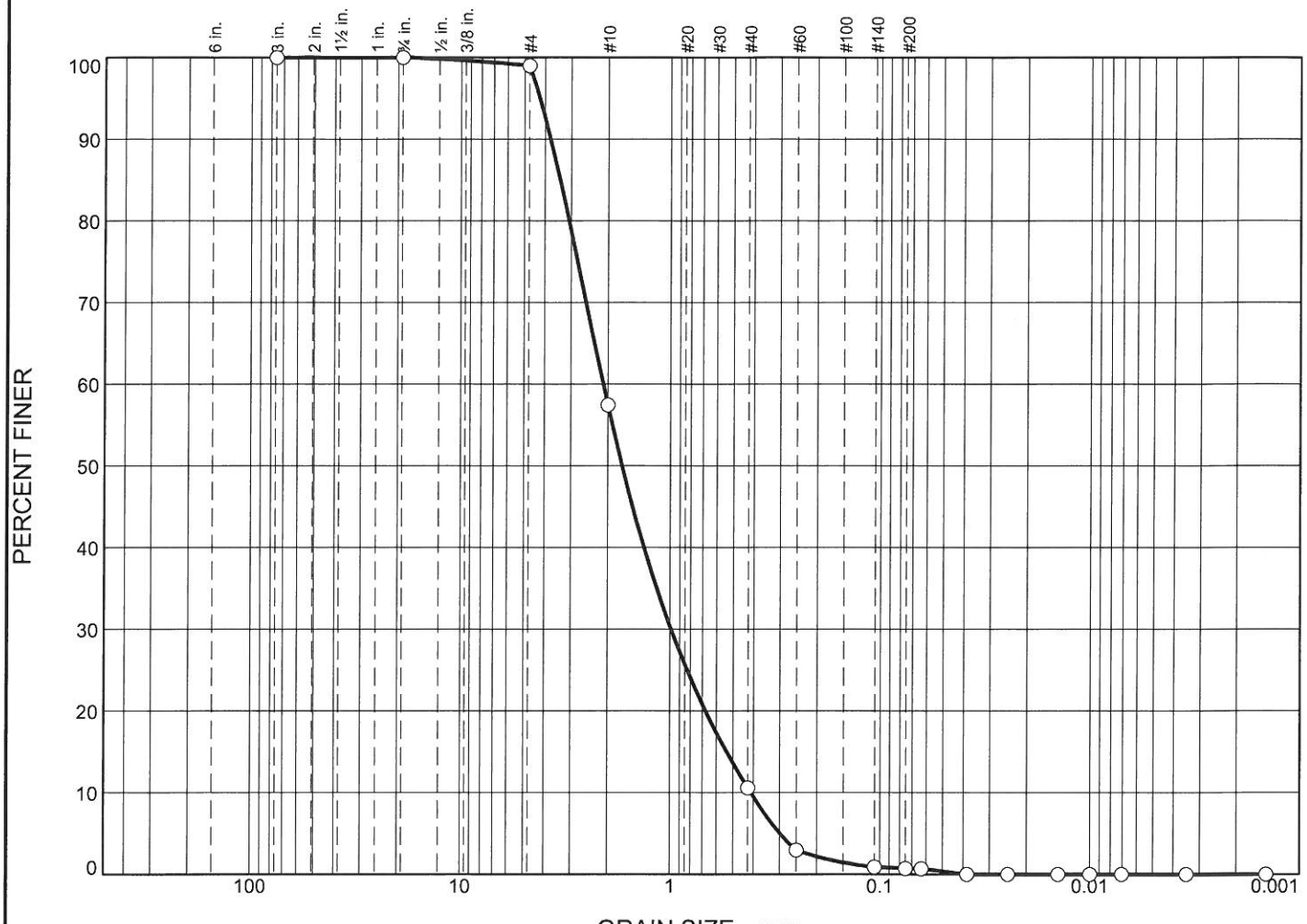
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.4	1.4	42.2	46.9	8.9	98.0			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.4380	0.5720	0.7177	1.0347	1.7508	2.1479	3.1163	3.4358	3.8156	4.2945

Fineness Modulus	C_u	C_c
3.81	4.90	1.14

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.0	41.6	46.8	9.9	0.7	0.0

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.3915	2.1061	1.7066	0.9897	0.5369	0.4114	1.13	5.12

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CB-CORE-1 **Sample No.:** L1712518-25

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CB-CORE-1
Sample Number: L1712518-25
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
167.06	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.70	0.00	99.0
		#10	69.45	0.00	57.4
		#40	78.24	0.00	10.6
		#60	12.72	0.00	3.0
		#140	3.45	0.00	0.9
		#200	0.28	0.00	0.7
		#230	0.11	0.00	0.7

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.7
Weight of hydrometer sample =167.06
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0020	1.0020	0.0137	2.0	15.8	0.0384	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0100	0.0
60.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0071	0.0
250.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0035	0.0
1440.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0014	0.0

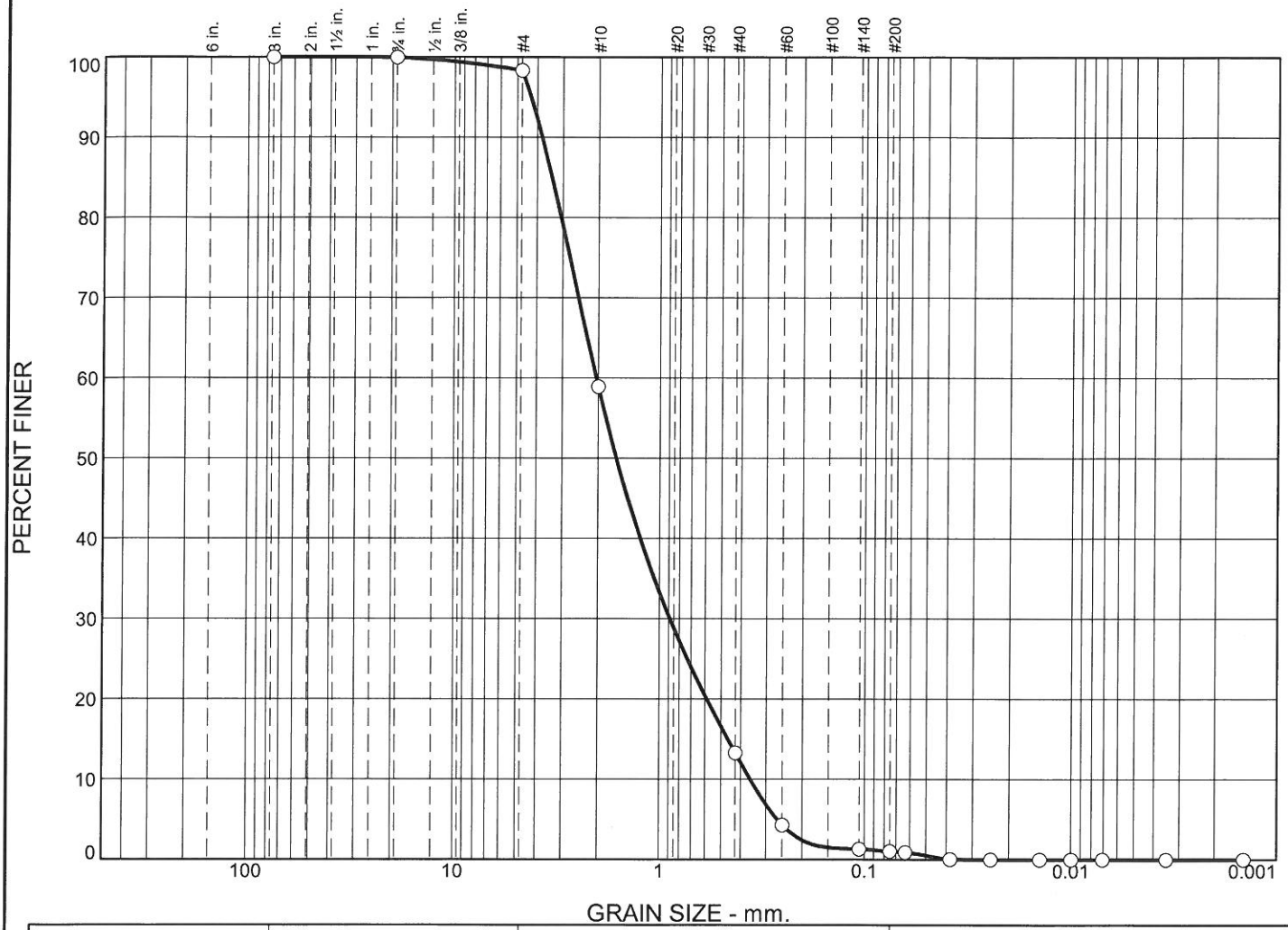
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.0	1.0	41.6	46.8	9.9	98.3	0.7	0.0	0.7

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.4114	0.5369	0.6774	0.9897	1.7066	2.1061	3.0737	3.3915	3.7685	4.2422

Fineness Modulus	C_u	C_c
3.76	5.12	1.13

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.7	39.4	45.6	12.3	1.0	0.0

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.3899	2.0468	1.6285	0.8904	0.4633	0.3596	1.08	5.69

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CC-CORE-1 **Sample No.:** L1712518-31

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CC-CORE-1
Sample Number: L1712518-31
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
165.95	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.77	0.00	98.3
		#10	65.41	0.00	58.9
		#40	75.76	0.00	13.3
		#60	14.88	0.00	4.3
		#140	4.96	0.00	1.3
		#200	0.47	0.00	1.0
		#230	0.19	0.00	0.9

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.9
Weight of hydrometer sample =167.06
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0020	1.0020	0.0137	2.0	15.8	0.0384	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0100	0.0
60.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0071	0.0
250.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0035	0.0
1440.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0014	0.0

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.7	1.7	39.4	45.6	12.3	97.3	1.0	0.0	1.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3596	0.4633	0.5883	0.8904	1.6285	2.0468	3.0562	3.3899	3.7888	4.2971

Fineness Modulus	C_u	C_c
3.68	5.69	1.08

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

May 26 2017, 11:02 am

Work Group: WG1007380 for Department: 7 Wet Chemistry

Created: 26-MAY-17 Due: Operator:

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-01	LDW-Y0-IN-ENR-CA-COR	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-07	LDW-Y0-IN-ENR-CB-COR	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-13	LDW-Y0-IN-ENR-CC-COR	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-19	LDW-Y0-IN-ENR+AC-CA-	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-25	LDW-Y0-IN-ENR+AC-CB-	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-FGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-CSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-COBBLES	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-CGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-CFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-FSAND	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-TSAND	SOIL	DONE	U		0601	S0	Glass-A.5

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

May 26 2017, 11:02 am

Work Group: WG1007380 for Department: 7 Wet Chemistry

Created: 26-MAY-17 Due: Operator:

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-TGRAVEL	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-TFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-SFINE	SOIL	DONE	U		0601	S0	Glass-A.5
L1712518-31	LDW-Y0-IN-ENR+AC-CC-	C	A2-HYDRO-MSAND	SOIL	DONE	U		0601	S0	Glass-A.5
WG1007380-1	Duplicate Sample	S	A2-HYDRO-CSAND	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-FGRAVEL	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-MSAND	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-FSAND	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-CGRAVEL	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-TSAND	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-COBBLES	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-CFINE	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-TGRAVEL	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-TFINE	SOIL	DONE	U				
WG1007380-1	Duplicate Sample	S	A2-HYDRO-SFINE	SOIL	DONE	U				

Comments:

WG1007380-1 L1712518-01

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1712518
Client:	Floyd Snider Inc 601 Union Street Suite 600 Seattle, WA 98101
ATTN:	Teri Floyd
Phone:	(206) 292-2078
Project Name:	LDW ENR/AC PILOT STUDY
Project Number:	Not Specified
Report Date:	06/07/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), NJ NELAP (MA015), CT (PH-0141), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-13-00067), USFWS (Permit #LE2069641).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712518-01	LDW-Y0-IN-ENR-CA-CORE-1	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-02	LDW-Y0-IN-ENR-CA-CORE-2	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-03	LDW-Y0-IN-ENR-CA-CORE-3	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-04	LDW-Y0-IN-ENR-CA-CORE-#50-1	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-05	LDW-Y0-IN-ENR-CA-CORE-#50-2	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-06	LDW-Y0-IN-ENR-CA-CORE-#50-3	SEDIMENT	LDW	04/13/17 13:40	04/19/17
L1712518-07	LDW-Y0-IN-ENR-CB-CORE-1	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-08	LDW-Y0-IN-ENR-CB-CORE-2	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-09	LDW-Y0-IN-ENR-CB-CORE-3	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-10	LDW-Y0-IN-ENR-CB-CORE-#50-1	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-11	LDW-Y0-IN-ENR-CB-CORE-#50-2	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-12	LDW-Y0-IN-ENR-CB-CORE-#50-3	SEDIMENT	LDW	04/13/17 13:50	04/19/17
L1712518-13	LDW-Y0-IN-ENR-CC-CORE-1	SEDIMENT	LDW	04/13/17 13:55	04/19/17
L1712518-14	LDW-Y0-IN-ENR-CC-CORE-2	SEDIMENT	LDW	04/13/17 13:55	04/19/17
L1712518-15	LDW-Y0-IN-ENR-CC-CORE-3	SEDIMENT	LDW	04/13/17 13:55	04/19/17
L1712518-16	LDW-Y0-IN-ENR-CC-CORE-#50-1	SEDIMENT	LDW	04/13/17 13:55	04/19/17
L1712518-17	LDW-Y0-IN-ENR-CC-CORE-#50-2	SEDIMENT	LDW	04/13/17 13:55	04/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712518-18	LDW-Y0-IN-ENR-CC-CORE-#50-3	SEDIMENT	LDW	04/13/17 13:55	04/19/17
L1712518-19	LDW-Y0-IN-ENR+AC-CA-CORE-1	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-20	LDW-Y0-IN-ENR+AC-CA-CORE-2	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-21	LDW-Y0-IN-ENR+AC-CA-CORE-3	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-22	LDW-Y0-IN-ENR+AC-CA-CORE-#50-1	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-23	LDW-Y0-IN-ENR+AC-CA-CORE-#50-2	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-24	LDW-Y0-IN-ENR+AC-CA-CORE-#50-3	SEDIMENT	LDW	04/13/17 14:15	04/19/17
L1712518-25	LDW-Y0-IN-ENR+AC-CB-CORE-1	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-26	LDW-Y0-IN-ENR+AC-CB-CORE-2	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-27	LDW-Y0-IN-ENR+AC-CB-CORE-3	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-28	LDW-Y0-IN-ENR+AC-CB-CORE-#50-1	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-29	LDW-Y0-IN-ENR+AC-CB-CORE-#50-2	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-30	LDW-Y0-IN-ENR+AC-CB-CORE-#50-3	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-31	LDW-Y0-IN-ENR+AC-CC-CORE-1	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-32	LDW-Y0-IN-ENR+AC-CC-CORE-2	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-33	LDW-Y0-IN-ENR+AC-CC-CORE-3	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-34	LDW-Y0-IN-ENR+AC-CC-CORE-#50-1	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-35	LDW-Y0-IN-ENR+AC-CC-CORE-#50-2	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-36	LDW-Y0-IN-ENR+AC-CC-CORE-#50-3	SEDIMENT	LDW	04/13/17 14:40	04/19/17
L1712518-37	LDW-Y0-IN-ENR+AC-1-A-COR-1	SEDIMENT	LDW	04/13/17 14:05	04/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712518-38	LDW-Y0-IN-ENR+AC-1-A-COR-2	SEDIMENT	LDW	04/13/17 14:05	04/19/17
L1712518-39	LDW-Y0-IN-ENR+AC-1-A-COR-3	SEDIMENT	LDW	04/13/17 14:05	04/19/17
L1712518-40	LDW-Y0-IN-ENR+AC-1-B-COR-1	SEDIMENT	LDW	04/13/17 14:20	04/19/17
L1712518-41	LDW-Y0-IN-ENR+AC-1-B-COR-2	SEDIMENT	LDW	04/13/17 14:20	04/19/17
L1712518-42	LDW-Y0-IN-ENR+AC-1-B-COR-3	SEDIMENT	LDW	04/13/17 14:20	04/19/17
L1712518-43	LDW-Y0-IN-ENR+AC-1-C-COR-1	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-44	LDW-Y0-IN-ENR+AC-1-C-COR-2	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-45	LDW-Y0-IN-ENR+AC-1-C-COR-3	SEDIMENT	LDW	04/13/17 14:30	04/19/17
L1712518-46	LDW-Y0-IN-ENR+AC-2-A-COR-1	SEDIMENT	LDW	04/13/17 14:06	04/19/17
L1712518-47	LDW-Y0-IN-ENR+AC-2-A-COR-2	SEDIMENT	LDW	04/13/17 14:06	04/19/17
L1712518-48	LDW-Y0-IN-ENR+AC-2-A-COR-3	SEDIMENT	LDW	04/13/17 14:06	04/19/17
L1712518-49	LDW-Y0-IN-ENR+AC-2-B-COR-1	SEDIMENT	LDW	04/13/17 14:21	04/19/17
L1712518-50	LDW-Y0-IN-ENR+AC-2-B-COR-2	SEDIMENT	LDW	04/13/17 14:21	04/19/17
L1712518-51	LDW-Y0-IN-ENR+AC-2-B-COR-3	SEDIMENT	LDW	04/13/17 14:21	04/19/17
L1712518-52	LDW-Y0-IN-ENR+AC-2-C-COR-1	SEDIMENT	LDW	04/13/17 14:31	04/19/17
L1712518-53	LDW-Y0-IN-ENR+AC-2-C-COR-2	SEDIMENT	LDW	04/13/17 14:31	04/19/17
L1712518-54	LDW-Y0-IN-ENR+AC-2-C-COR-3	SEDIMENT	LDW	04/13/17 14:31	04/19/17
L1712518-55	LDW-Y0-IN-ENR+AC-3-A-COR-1	SEDIMENT	LDW	04/13/17 14:07	04/19/17
L1712518-56	LDW-Y0-IN-ENR+AC-3-A-COR-2	SEDIMENT	LDW	04/13/17 14:07	04/19/17
L1712518-57	LDW-Y0-IN-ENR+AC-3-A-COR-3	SEDIMENT	LDW	04/13/17 14:07	04/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712518-58	LDW-Y0-IN-ENR+AC-3-B-COR-1	SEDIMENT	LDW	04/13/17 14:22	04/19/17
L1712518-59	LDW-Y0-IN-ENR+AC-3-B-COR-2	SEDIMENT	LDW	04/13/17 14:22	04/19/17
L1712518-60	LDW-Y0-IN-ENR+AC-3-B-COR-3	SEDIMENT	LDW	04/13/17 14:22	04/19/17
L1712518-61	LDW-Y0-IN-ENR+AC-3-C-COR-1	SEDIMENT	LDW	04/13/17 14:32	04/19/17
L1712518-62	LDW-Y0-IN-ENR+AC-3-C-COR-2	SEDIMENT	LDW	04/13/17 14:32	04/19/17
L1712518-63	LDW-Y0-IN-ENR+AC-3-C-COR-3	SEDIMENT	LDW	04/13/17 14:32	04/19/17
L1712518-64	LDW-Y0-IN-ENR+AC-4-A-COR-1	SEDIMENT	LDW	04/13/17 14:08	04/19/17
L1712518-65	LDW-Y0-IN-ENR+AC-4-A-COR-2	SEDIMENT	LDW	04/13/17 14:08	04/19/17
L1712518-66	LDW-Y0-IN-ENR+AC-4-A-COR-3	SEDIMENT	LDW	04/13/17 14:08	04/19/17
L1712518-67	LDW-Y0-IN-ENR+AC-4-B-COR-1	SEDIMENT	LDW	04/13/17 14:23	04/19/17
L1712518-68	LDW-Y0-IN-ENR+AC-4-B-COR-2	SEDIMENT	LDW	04/13/17 14:23	04/19/17
L1712518-69	LDW-Y0-IN-ENR+AC-4-B-COR-3	SEDIMENT	LDW	04/13/17 14:23	04/19/17
L1712518-70	LDW-Y0-IN-ENR+AC-4-C-COR-1	SEDIMENT	LDW	04/13/17 14:33	04/19/17
L1712518-71	LDW-Y0-IN-ENR+AC-4-C-COR-2	SEDIMENT	LDW	04/13/17 14:33	04/19/17
L1712518-72	LDW-Y0-IN-ENR+AC-4-C-COR-3	SEDIMENT	LDW	04/13/17 14:33	04/19/17
L1712518-73	LDW-Y0-IN-ENR+AC-5-A-COR-1	SEDIMENT	LDW	04/13/17 14:09	04/19/17
L1712518-74	LDW-Y0-IN-ENR+AC-5-A-COR-2	SEDIMENT	LDW	04/13/17 14:09	04/19/17
L1712518-75	LDW-Y0-IN-ENR+AC-5-A-COR-3	SEDIMENT	LDW	04/13/17 14:09	04/19/17
L1712518-76	LDW-Y0-IN-ENR+AC-5-B-COR-1	SEDIMENT	LDW	04/13/17 14:24	04/19/17
L1712518-77	LDW-Y0-IN-ENR+AC-5-B-COR-2	SEDIMENT	LDW	04/13/17 14:24	04/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712518-78	LDW-Y0-IN-ENR+AC-5-B-COR-3	SEDIMENT	LDW	04/13/17 14:24	04/19/17
L1712518-79	LDW-Y0-IN-ENR+AC-5-C-COR-1	SEDIMENT	LDW	04/13/17 14:34	04/19/17
L1712518-80	LDW-Y0-IN-ENR+AC-5-C-COR-2	SEDIMENT	LDW	04/13/17 14:34	04/19/17
L1712518-81	LDW-Y0-IN-ENR+AC-5-C-COR-3	SEDIMENT	LDW	04/13/17 14:34	04/19/17
L1712518-82	LDW-Y0-IN-ENR+AC-6-A-COR-1	SEDIMENT	LDW	04/13/17 14:10	04/19/17
L1712518-83	LDW-Y0-IN-ENR+AC-6-A-COR-2	SEDIMENT	LDW	04/13/17 14:10	04/19/17
L1712518-84	LDW-Y0-IN-ENR+AC-6-A-COR-3	SEDIMENT	LDW	04/13/17 14:10	04/19/17
L1712518-85	LDW-Y0-IN-ENR+AC-6-B-COR-1	SEDIMENT	LDW	04/13/17 14:25	04/19/17
L1712518-86	LDW-Y0-IN-ENR+AC-6-B-COR-2	SEDIMENT	LDW	04/13/17 14:25	04/19/17
L1712518-87	LDW-Y0-IN-ENR+AC-6-B-COR-3	SEDIMENT	LDW	04/13/17 14:25	04/19/17
L1712518-88	LDW-Y0-IN-ENR+AC-6-C-COR-1	SEDIMENT	LDW	04/13/17 14:35	04/19/17
L1712518-89	LDW-Y0-IN-ENR+AC-6-C-COR-2	SEDIMENT	LDW	04/13/17 14:35	04/19/17
L1712518-90	LDW-Y0-IN-ENR+AC-6-C-COR-3	SEDIMENT	LDW	04/13/17 14:35	04/19/17

Project Name: LDW ENR/AC PILOT STUDY **Lab Number:** L1712518
Project Number: Not Specified **Report Date:** 06/07/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	LDW ENR/AC PILOT STUDY	**Lab Number:**	L1712518
Project Number:	Not Specified	**Report Date:**	06/07/17

Case Narrative (continued)

Solids, Total Volatile

L1712518-01 through -90 were analyzed with the method required holding time exceeded.

The WG1003289-2 Laboratory Duplicate RPD, performed on L1712518-40, is outside the acceptance criteria (12%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1003381-2 Laboratory Duplicate RPD, performed on L1712518-79, is outside the acceptance criteria (19%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1009227-2 Laboratory Duplicate RPD, performed on L1712518-81, is outside the acceptance criteria (24%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Grain Size Analysis

The WG1007380-1 Laboratory Duplicate RPDs, performed on L1712518-01, are above the acceptance criteria for % Fine Gravel (43%) and % Total Gravel (43%); however, the sample and duplicate results are less than 5% of the total weight. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 06/07/17

INORGANICS
&
MISCELLANEOUS

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-01
Client ID: LDW-Y0-IN-ENR-CA-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.70		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.70		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	35.4		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	49.9		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	12.4		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	97.7		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	0.600		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-02
Client ID: LDW-Y0-IN-ENR-CA-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-03
Client ID: LDW-Y0-IN-ENR-CA-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.1		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-04
Client ID: LDW-Y0-IN-ENR-CA-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-05
Client ID: LDW-Y0-IN-ENR-CA-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-06
Client ID: LDW-Y0-IN-ENR-CA-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-07
Client ID: LDW-Y0-IN-ENR-CB-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.10		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.10		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	31.8		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	49.9		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	16.7		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	98.4		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	0.500		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.80		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-08
Client ID: LDW-Y0-IN-ENR-CB-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-09
Client ID: LDW-Y0-IN-ENR-CB-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-10
Client ID: LDW-Y0-IN-ENR-CB-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.0		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-11
Client ID: LDW-Y0-IN-ENR-CB-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.0		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-12
Client ID: LDW-Y0-IN-ENR-CB-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:50
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.0		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-13
Client ID: LDW-Y0-IN-ENR-CC-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.90		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.90		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	44.2		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	41.6		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	11.7		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	97.5		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	0.600		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-14
Client ID: LDW-Y0-IN-ENR-CC-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-15
Client ID: LDW-Y0-IN-ENR-CC-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.0		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-16
Client ID: LDW-Y0-IN-ENR-CC-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-17
Client ID: LDW-Y0-IN-ENR-CC-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-18
Client ID: LDW-Y0-IN-ENR-CC-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 13:55
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	0.90		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-19
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.40		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.40		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	42.2		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	46.9		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	8.90		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	98.0		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	0.600		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.2		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-20
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.4		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-21
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.1		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-22
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.0		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-23
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.2		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-24
Client ID: LDW-Y0-IN-ENR+AC-CA-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:15
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.7		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-25
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.00		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.00		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	41.6		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	46.8		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	9.90		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	98.3		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	0.700		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	0.700		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.5		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-26
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.1		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-27
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.3		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-28
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.1		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-29
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.9		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-30
Client ID: LDW-Y0-IN-ENR+AC-CB-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-31
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Gravel	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Gravel	1.70		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Gravel	1.70		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Coarse Sand	39.4		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Medium Sand	45.6		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Fine Sand	12.3		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Sand	97.3		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Silt Fine	1.00		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Clay Fine	ND		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
% Total Fines	1.00		%	0.100	NA	1	-	05/26/17 09:23	12,D422	SP
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.3		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-32
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.5		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-33
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.1		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-34
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-#50-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-35
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-#50-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.3		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-36
Client ID: LDW-Y0-IN-ENR+AC-CC-CORE-#50-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:40
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.5		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-37
Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:05
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	7.4		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-38
Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:05
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	8.8		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-39
Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:05
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	8.3		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-40
Client ID: LDW-Y0-IN-ENR+AC-1-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:20
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.6		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-41
Client ID: LDW-Y0-IN-ENR+AC-1-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:20
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.2		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-42
Client ID: LDW-Y0-IN-ENR+AC-1-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:20
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.7		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-43
Client ID: LDW-Y0-IN-ENR+AC-1-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.8		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-44
Client ID: LDW-Y0-IN-ENR+AC-1-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	7.5		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-45
Client ID: LDW-Y0-IN-ENR+AC-1-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:30
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	7.6		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-46
Client ID: LDW-Y0-IN-ENR+AC-2-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:06
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.5		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-47
Client ID: LDW-Y0-IN-ENR+AC-2-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:06
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.3		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-48
Client ID: LDW-Y0-IN-ENR+AC-2-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:06
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.2		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-49
Client ID: LDW-Y0-IN-ENR+AC-2-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:21
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.8		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-50
Client ID: LDW-Y0-IN-ENR+AC-2-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:21
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.0		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-51
Client ID: LDW-Y0-IN-ENR+AC-2-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:21
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.5		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-52
Client ID: LDW-Y0-IN-ENR+AC-2-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:31
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.8		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-53
Client ID: LDW-Y0-IN-ENR+AC-2-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:31
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.7		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-54
Client ID: LDW-Y0-IN-ENR+AC-2-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:31
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.1		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-55
Client ID: LDW-Y0-IN-ENR+AC-3-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:07
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.7		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-56
Client ID: LDW-Y0-IN-ENR+AC-3-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:07
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.0		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-57
Client ID: LDW-Y0-IN-ENR+AC-3-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:07
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-58
Client ID: LDW-Y0-IN-ENR+AC-3-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:22
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	2.5		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-59
Client ID: LDW-Y0-IN-ENR+AC-3-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:22
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.0		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-60
Client ID: LDW-Y0-IN-ENR+AC-3-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:22
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	2.7		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-61
Client ID: LDW-Y0-IN-ENR+AC-3-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:32
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-62
Client ID: LDW-Y0-IN-ENR+AC-3-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:32
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-63
Client ID: LDW-Y0-IN-ENR+AC-3-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:32
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.5		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-64
Client ID: LDW-Y0-IN-ENR+AC-4-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:08
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.2		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-65
Client ID: LDW-Y0-IN-ENR+AC-4-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:08
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.2		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-66
Client ID: LDW-Y0-IN-ENR+AC-4-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:08
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.0		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-67
Client ID: LDW-Y0-IN-ENR+AC-4-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:23
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.5		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-68
Client ID: LDW-Y0-IN-ENR+AC-4-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:23
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.0		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-69
Client ID: LDW-Y0-IN-ENR+AC-4-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:23
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.2		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-70
Client ID: LDW-Y0-IN-ENR+AC-4-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:33
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	2.9		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-71
Client ID: LDW-Y0-IN-ENR+AC-4-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:33
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.8		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-72
Client ID: LDW-Y0-IN-ENR+AC-4-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:33
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.2		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-73
Client ID: LDW-Y0-IN-ENR+AC-5-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:09
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.9		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-74
Client ID: LDW-Y0-IN-ENR+AC-5-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:09
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.6		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-75
Client ID: LDW-Y0-IN-ENR+AC-5-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:09
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	1.8		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-76
Client ID: LDW-Y0-IN-ENR+AC-5-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:24
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.6		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-77
Client ID: LDW-Y0-IN-ENR+AC-5-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:24
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.5		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-78
Client ID: LDW-Y0-IN-ENR+AC-5-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:24
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.4		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-79
Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:34
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.2		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-80
Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:34
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.8		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-81
Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:34
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.1		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-82
Client ID: LDW-Y0-IN-ENR+AC-6-A-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:10
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	7.2		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-83
Client ID: LDW-Y0-IN-ENR+AC-6-A-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:10
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	5.3		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-84
Client ID: LDW-Y0-IN-ENR+AC-6-A-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:10
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	6.6		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-85
Client ID: LDW-Y0-IN-ENR+AC-6-B-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:25
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.9		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-86
Client ID: LDW-Y0-IN-ENR+AC-6-B-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:25
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.4		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-87
Client ID: LDW-Y0-IN-ENR+AC-6-B-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:25
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.1		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-88
Client ID: LDW-Y0-IN-ENR+AC-6-C-COR-1
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:35
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.2		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-89
Client ID: LDW-Y0-IN-ENR+AC-6-C-COR-2
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:35
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	3.9		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

SAMPLE RESULTS

Lab ID: L1712518-90
Client ID: LDW-Y0-IN-ENR+AC-6-C-COR-3
Sample Location: LDW
Matrix: Sediment

Date Collected: 04/13/17 14:35
Date Received: 04/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Volatile	4.6		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP

Project Name: LDW ENR/AC PILOT STUDY **Lab Number:** L1712518

Project Number: Not Specified **Report Date:** 06/07/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 40-42,44-57,59-60 Batch: WG1003289-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	05/13/17 15:00	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 58,61-79 Batch: WG1003381-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	05/14/17 13:50	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 01-03,07-09,13-15,19-21,25-27,31-33,37,83 Batch: WG1004085-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	05/16/17 21:00	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 38,82,84-90 Batch: WG1004086-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	05/16/17 19:50	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 39 Batch: WG1009224-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 80 Batch: WG1009226-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 81 Batch: WG1009227-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	06/03/17 20:00	121,2540E	RP
General Chemistry - Westborough Lab for sample(s): 04-06,10-12,16-18,22-24,28-30,34-36,43 Batch: WG1010440-1										
Solids, Total Volatile	ND		%	0.10	--	1	-	06/06/17 21:30	121,2540E	RP

Lab Duplicate Analysis
Batch Quality Control

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 40-42,44-57,59-60 QC Batch ID: WG1003289-2 QC Sample: L1712518-40 Client ID: LDW-Y0-IN-ENR+AC-1-B-COR-1						
Solids, Total Volatile	5.6	6.3	%	**12**	Q	11
General Chemistry - Westborough Lab Associated sample(s): 58,61-79 QC Batch ID: WG1003381-2 QC Sample: L1712518-79 Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-1						
Solids, Total Volatile	4.2	5.1	%	**19**	Q	11
General Chemistry - Westborough Lab Associated sample(s): 01-03,07-09,13-15,19-21,25-27,31-33,37,83 QC Batch ID: WG1004085-2 QC Sample: L1712518-37 Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-1						
Solids, Total Volatile	7.4	7.6	%	3		11
General Chemistry - Westborough Lab Associated sample(s): 38,82,84-90 QC Batch ID: WG1004086-2 QC Sample: L1712518-38 Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-2						
Solids, Total Volatile	8.8	9.7	%	10		11

Lab Duplicate Analysis
Batch Quality Control

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Grain Size Analysis - Mansfield Lab Associated sample(s): 01,07,13,19,25,31 QC Batch ID: WG1007380-1 QC Sample: L1712518-01 Client ID: LDW-Y0-IN-ENR-CA-CORE-1						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	1.70	1.10	%	**43**	Q	20
% Total Gravel	1.70	1.10	%	**43**	Q	20
% Coarse Sand	35.4	36.0	%	2		20
% Medium Sand	49.9	47.1	%	6		20
% Fine Sand	12.4	15.1	%	20		20
% Total Sand	97.7	98.2	%	1		20
% Silt Fine	ND	ND	%	NC		20
% Clay Fine	ND	ND	%	NC		20
% Total Fines	0.600	0.700	%	15		20
General Chemistry - Westborough Lab Associated sample(s): 39 QC Batch ID: WG1009224-2 QC Sample: L1712518-39 Client ID: LDW-Y0-IN-ENR+AC-1-A-COR-3						
Solids, Total Volatile	8.3	8.0	%	4		11
General Chemistry - Westborough Lab Associated sample(s): 80 QC Batch ID: WG1009226-2 QC Sample: L1712518-80 Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-2						
Solids, Total Volatile	3.8	4.0	%	5		11
General Chemistry - Westborough Lab Associated sample(s): 81 QC Batch ID: WG1009227-2 QC Sample: L1712518-81 Client ID: LDW-Y0-IN-ENR+AC-5-C-COR-3						
Solids, Total Volatile	5.1	4.0	%	**24**	Q	11

Lab Duplicate Analysis
Batch Quality Control

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06,10-12,16-18,22-24,28-30,34-36,43 QC Batch ID: WG1010440-2 QC Sample: L1712518-04 Client ID: LDW-Y0-IN-ENR-CA-CORE-#50-1					
Solids, Total Volatile	0.90	0.90	%	0	11

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1712518-01A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-01B	Glass 500ml/16oz unpreserved	B	N/A	N/A	17.8	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-02X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-03X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-07A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-07B	Glass 500ml/16oz unpreserved	A	N/A	N/A	17.8	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-08X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-09X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-13A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-13B	Glass 500ml/16oz unpreserved	C	N/A	N/A	17.7	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-14X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-15X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-19A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1712518-19B	Glass 500ml/16oz unpreserved	A	N/A	N/A	17.8	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-20X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-21X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-25A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-25B	Glass 500ml/16oz unpreserved	C	N/A	N/A	17.7	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-26X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-27X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-31A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-31B	Glass 500ml/16oz unpreserved	C	N/A	N/A	17.7	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-SFINE(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1712518-32X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-33X	Glass 250ml unpreserved split	A	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-37A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-40A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-43A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-46A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-49A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-52A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-55A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-58A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-61A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-64A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: LDW ENR/AC PILOT STUDY
Project Number: Not Specified

Lab Number: L1712518
Report Date: 06/07/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1712518-67A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-70A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-73A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-76A	Glass 250ml/8oz unpreserved	C	N/A	N/A	17.7	Y	Absent		TVS-2540(7)
L1712518-79A	Glass 250ml/8oz unpreserved	C	N/A	N/A	17.7	Y	Absent		TVS-2540(7)
L1712518-82A	Glass 250ml/8oz unpreserved	C	N/A	N/A	17.7	Y	Absent		TVS-2540(7)
L1712518-85A	Glass 250ml/8oz unpreserved	B	N/A	N/A	17.8	Y	Absent		TVS-2540(7)
L1712518-88A	Glass 250ml/8oz unpreserved	C	N/A	N/A	17.7	Y	Absent		TVS-2540(7)

*Values in parentheses indicate holding time in days

Project Name:	LDW ENR/AC PILOT STUDY	**Lab Number:**	L1712518
Project Number:	Not Specified	**Report Date:**	06/07/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Project Name: LDW ENR/AC PILOT STUDY **Lab Number:** L1712518

Project Number: Not Specified **Report Date:** 06/07/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: LDW ENR/AC PILOT STUDY **Lab Number:** L1712518
Project Number: Not Specified **Report Date:** 06/07/17

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

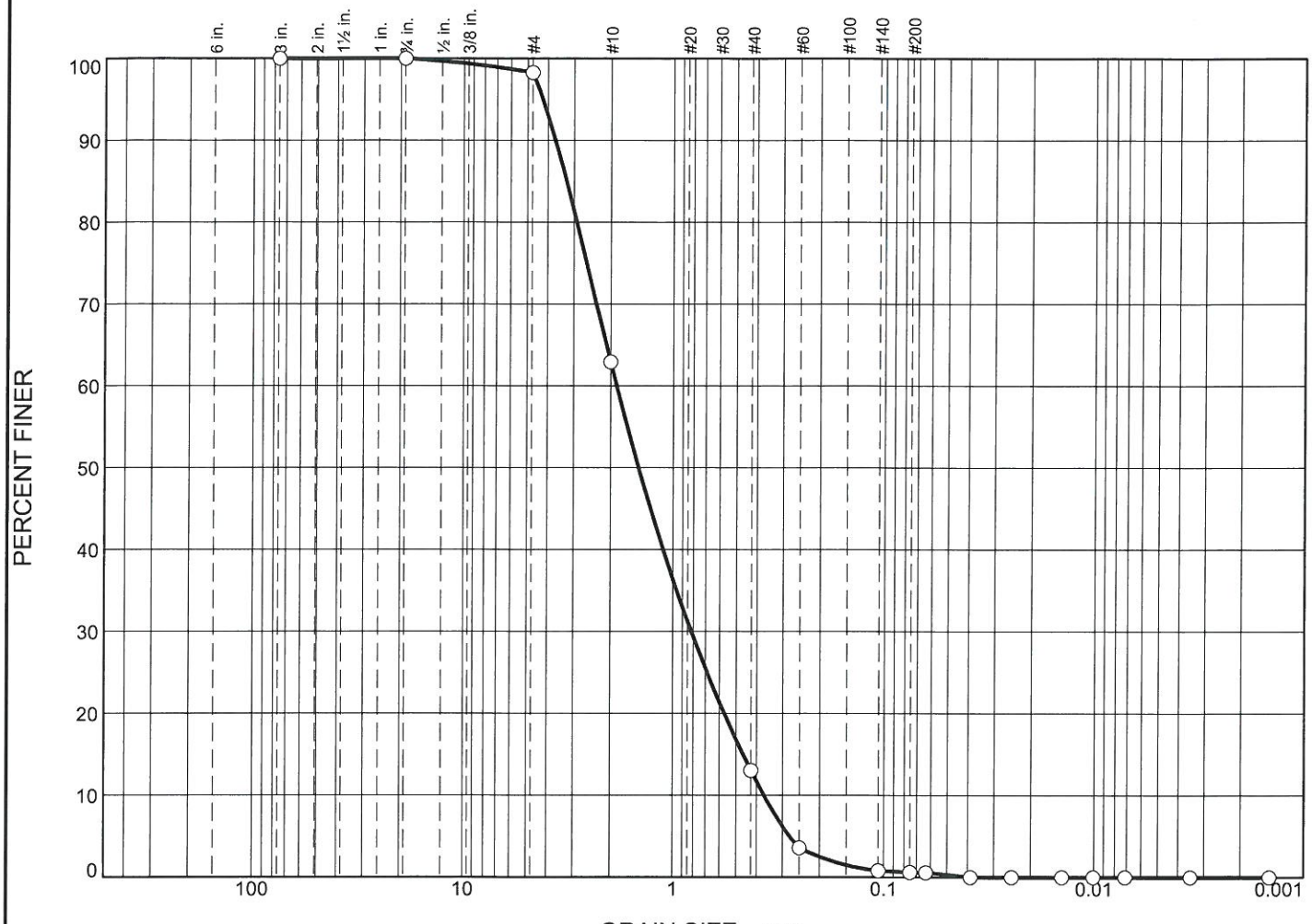
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D422-63

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.7	35.4	49.9	12.4	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.2625	1.8718	1.4662	0.8180	0.4638	0.3693	0.97	5.07

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CA-CORE-1 **Sample No.:** L1712518-01

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CA-CORE-1
Sample Number: L1712518-01
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
145.32	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.52	0.00	98.3
		#10	51.40	0.00	62.9
		#40	72.49	0.00	13.0
		#60	13.71	0.00	3.6
		#140	4.07	0.00	0.8
		#200	0.24	0.00	0.6
		#230	0.08	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =145.32
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

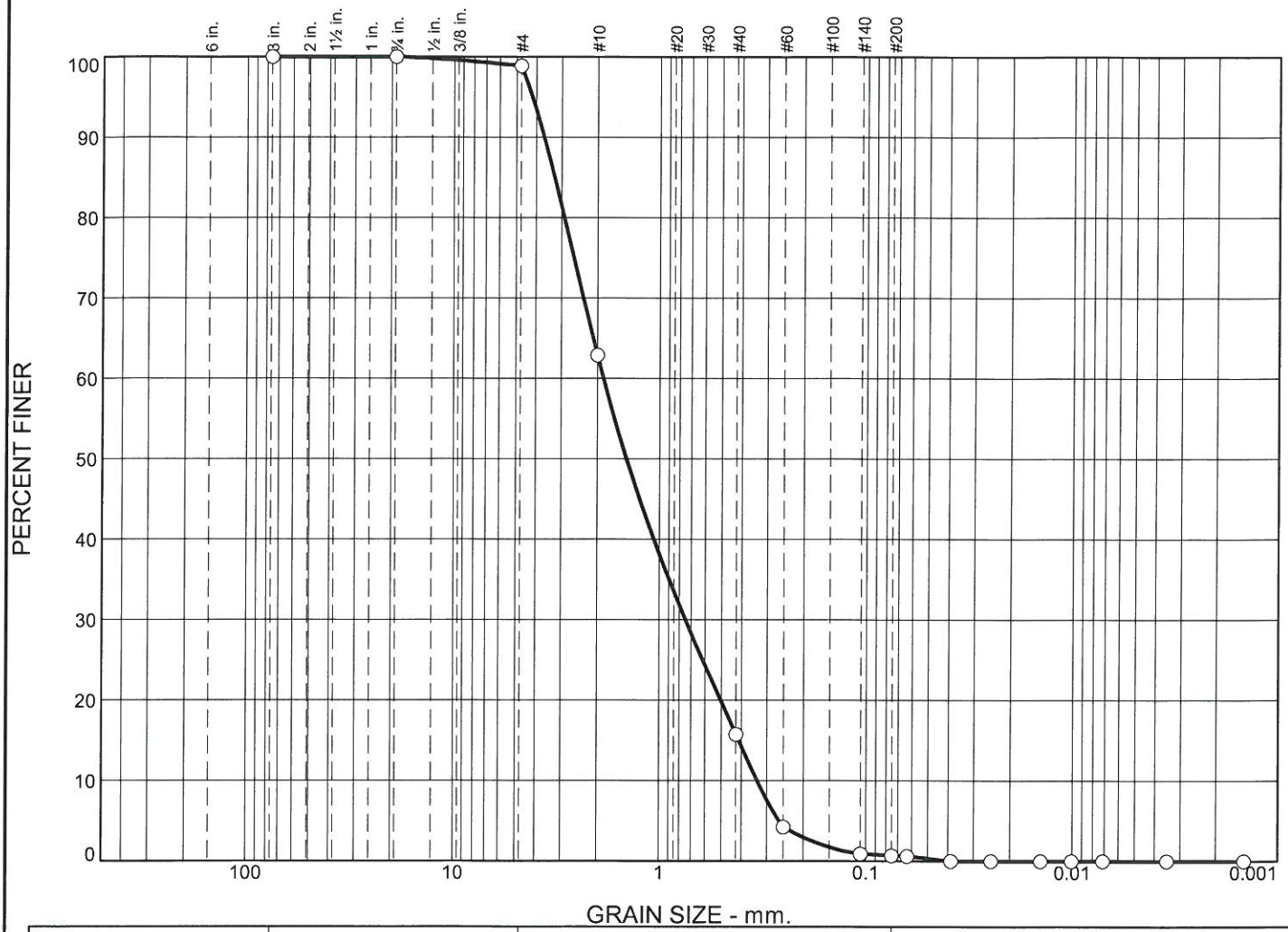
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.7	1.7	35.4	49.9	12.4	97.7			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3693	0.4638	0.5698	0.8180	1.4662	1.8718	2.9097	3.2625	3.6907	4.2486

Fineness Modulus	C_u	C_c
3.61	5.07	0.97

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	36.0	47.1	15.1	0.7	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.2516	1.8695	1.4423	0.7479	0.4124	0.3359	0.89	5.57

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CA-CORE-1 **Sample No.:** WG1007380-1

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CA-CORE-1
Sample Number: WG1007380-1
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
148.75	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.70	0.00	98.9
		#10	53.54	0.00	62.9
		#40	70.08	0.00	15.8
		#60	17.13	0.00	4.2
		#140	4.98	0.00	0.9
		#200	0.29	0.00	0.7
		#230	0.10	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =148.75
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

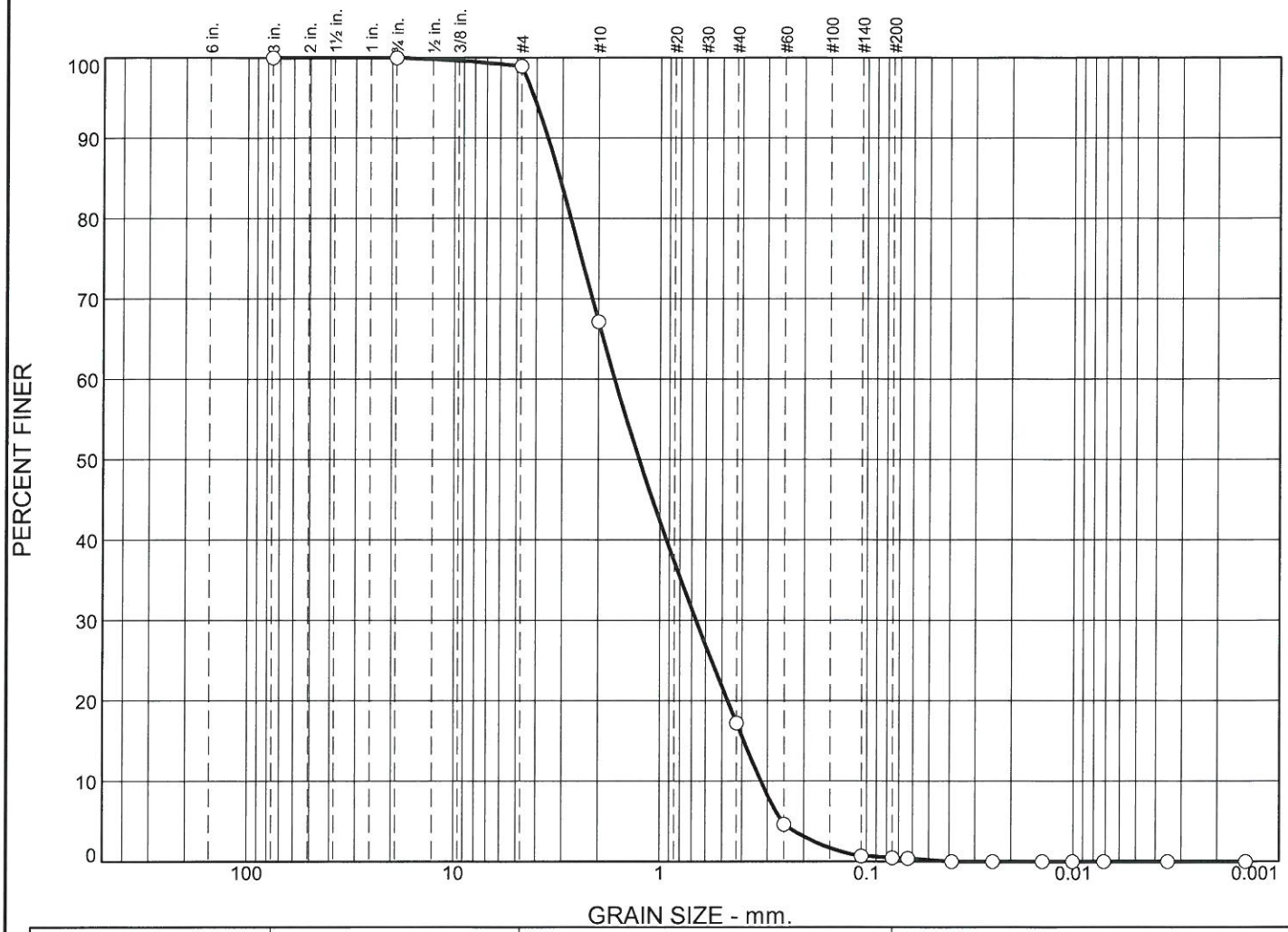
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.1	1.1	36.0	47.1	15.1	98.2			0.7

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3359	0.4124	0.5044	0.7479	1.4423	1.8695	2.9086	3.2516	3.6628	4.1889

Fineness Modulus	C_u	C_c
3.54	5.57	0.89

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	31.8	49.9	16.7	0.5	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.0911	1.6661	1.2616	0.6679	0.3923	0.3241	0.83	5.14

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CB-CORE-1 **Sample No.:** L1712518-07

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CB-CORE-1
Sample Number: L1712518-07
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
110.87	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.18	0.00	98.9
		#10	35.27	0.00	67.1
		#40	55.34	0.00	17.2
		#60	13.95	0.00	4.6
		#140	4.36	0.00	0.7
		#200	0.25	0.00	0.5
		#230	0.10	0.00	0.4

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.4
Weight of hydrometer sample =110.87
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

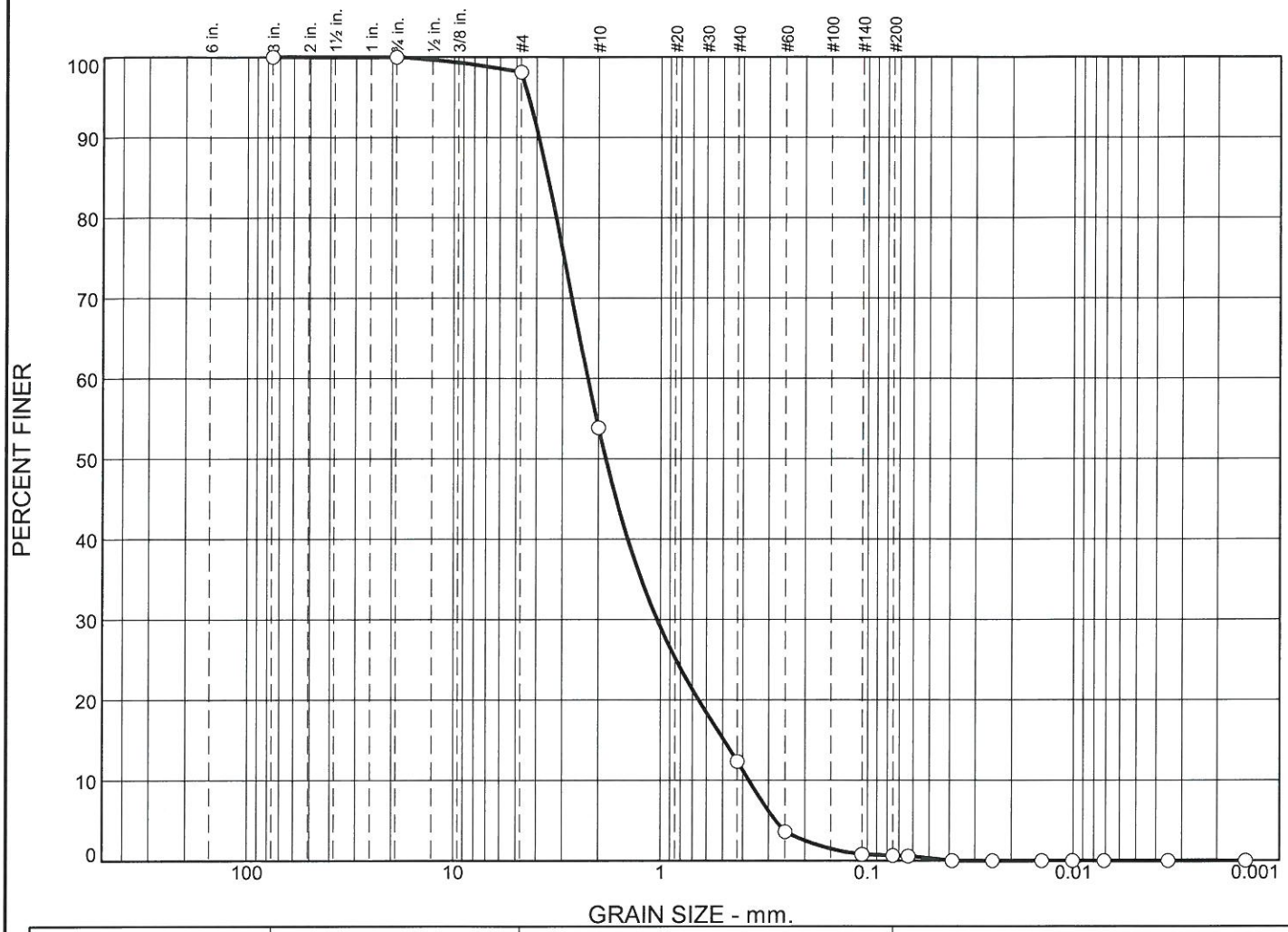
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.1	1.1	31.8	49.9	16.7	98.4			0.5

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3241	0.3923	0.4699	0.6679	1.2616	1.6661	2.7303	3.0911	3.5299	4.1030

Fineness Modulus	C_u	C_c
3.43	5.14	0.83

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.9	44.2	41.6	11.7	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.5353	2.2523	1.8441	1.0392	0.4938	0.3740	1.28	6.02

	Material Description	USCS	AASHTO
○		SW	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR-CC-CORE-1 **Sample No.:** L1712518-13

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR-CC-CORE-1
Sample Number: L1712518-13
USCS Classification: SW

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
186.22	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	3.53	0.00	98.1
		#10	82.41	0.00	53.9
		#40	77.30	0.00	12.3
		#60	16.30	0.00	3.6
		#140	5.21	0.00	0.8
		#200	0.30	0.00	0.6
		#230	0.10	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =186.22
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

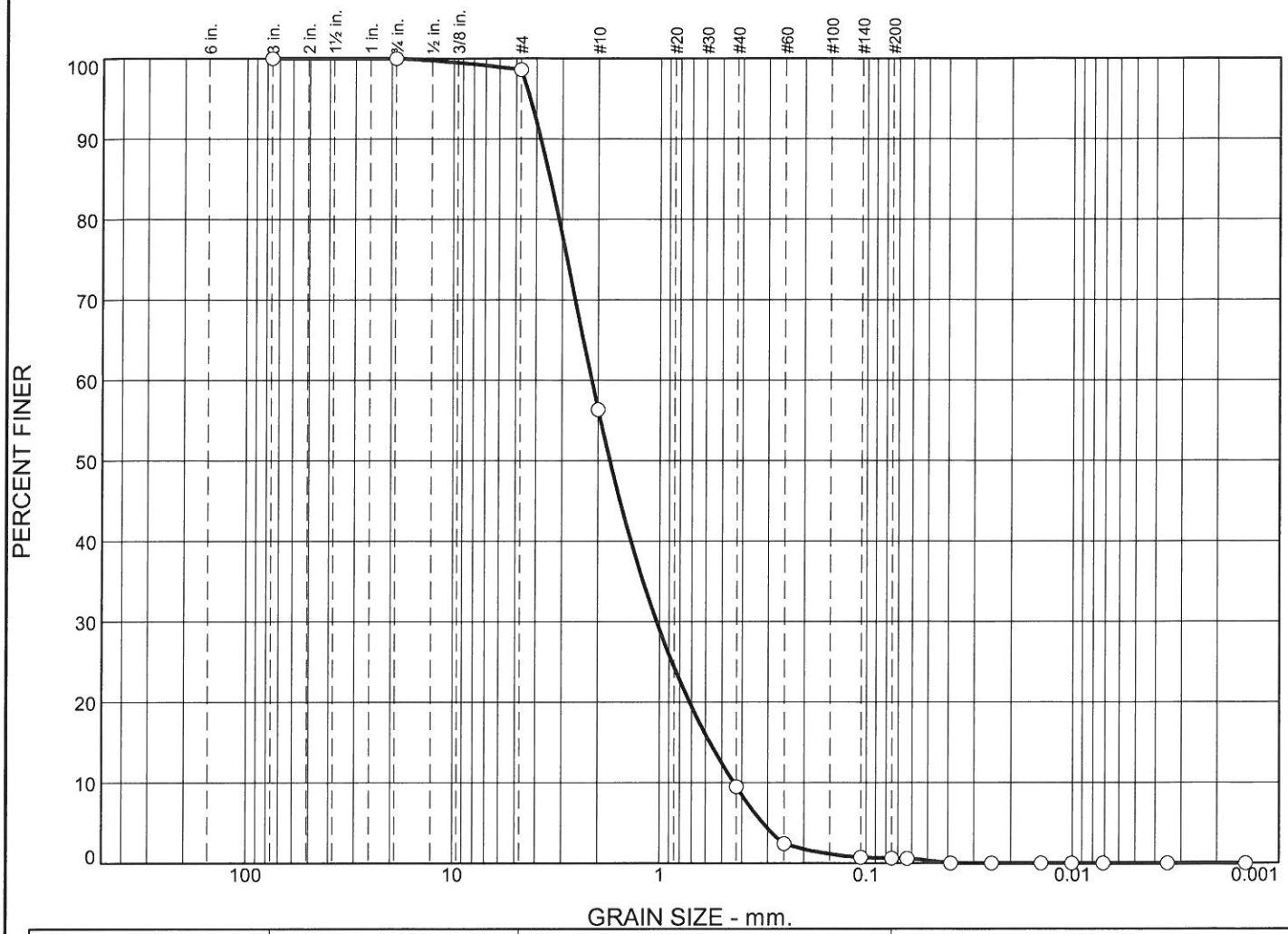
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.9	1.9	44.2	41.6	11.7	97.5			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3740	0.4938	0.6544	1.0392	1.8441	2.2523	3.2203	3.5353	3.9077	4.3747

Fineness Modulus	C_u	C_c
3.80	6.02	1.28

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.4	42.2	46.9	8.9	0.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.4358	2.1479	1.7508	1.0347	0.5720	0.4380	1.14	4.90

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CA-CORE-1 **Sample No.:** L1712518-19

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CA-CORE-1
Sample Number: L1712518-19
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
176.43	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.51	0.00	98.6
		#10	74.49	0.00	56.4
		#40	82.70	0.00	9.5
		#60	12.50	0.00	2.4
		#140	2.99	0.00	0.7
		#200	0.16	0.00	0.6
		#230	0.06	0.00	0.6

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.6
Weight of hydrometer sample =176.43
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0387	0.0
5.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0247	0.0
15.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0142	0.0
30.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0101	0.0
60.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0071	0.0
250.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0035	0.0
1440.00	19.9	1.0000	1.0000	0.0137	0.0	16.3	0.0015	0.0

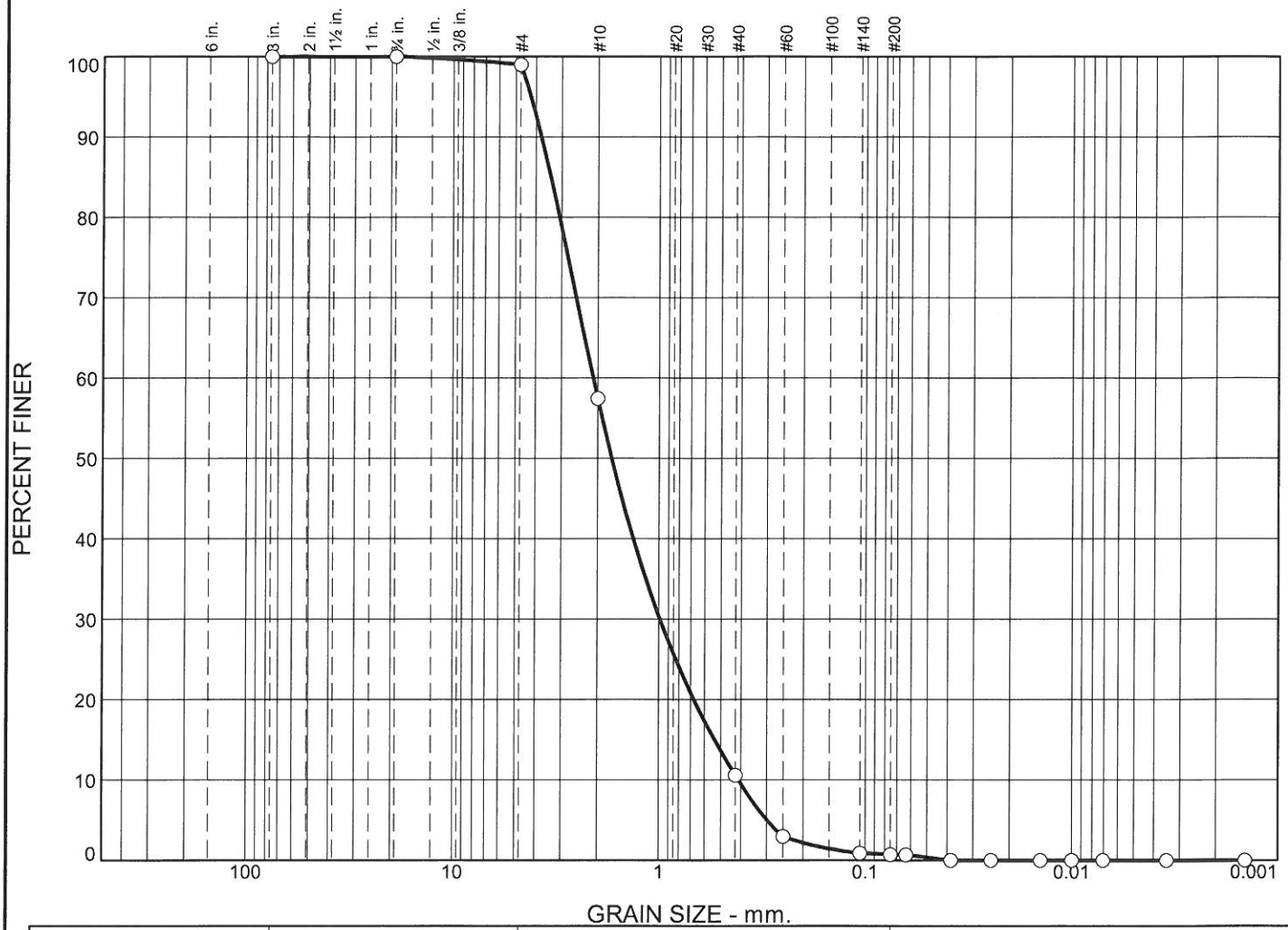
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.4	1.4	42.2	46.9	8.9	98.0			0.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.4380	0.5720	0.7177	1.0347	1.7508	2.1479	3.1163	3.4358	3.8156	4.2945

Fineness Modulus	C_u	C_c
3.81	4.90	1.14

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.0	41.6	46.8	9.9	0.7	0.0

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.3915	2.1061	1.7066	0.9897	0.5369	0.4114	1.13	5.12

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CB-CORE-1 **Sample No.:** L1712518-25

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CB-CORE-1
Sample Number: L1712518-25
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
167.06	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	1.70	0.00	99.0
		#10	69.45	0.00	57.4
		#40	78.24	0.00	10.6
		#60	12.72	0.00	3.0
		#140	3.45	0.00	0.9
		#200	0.28	0.00	0.7
		#230	0.11	0.00	0.7

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.7
Weight of hydrometer sample =167.06
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0020	1.0020	0.0137	2.0	15.8	0.0384	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0100	0.0
60.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0071	0.0
250.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0035	0.0
1440.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0014	0.0

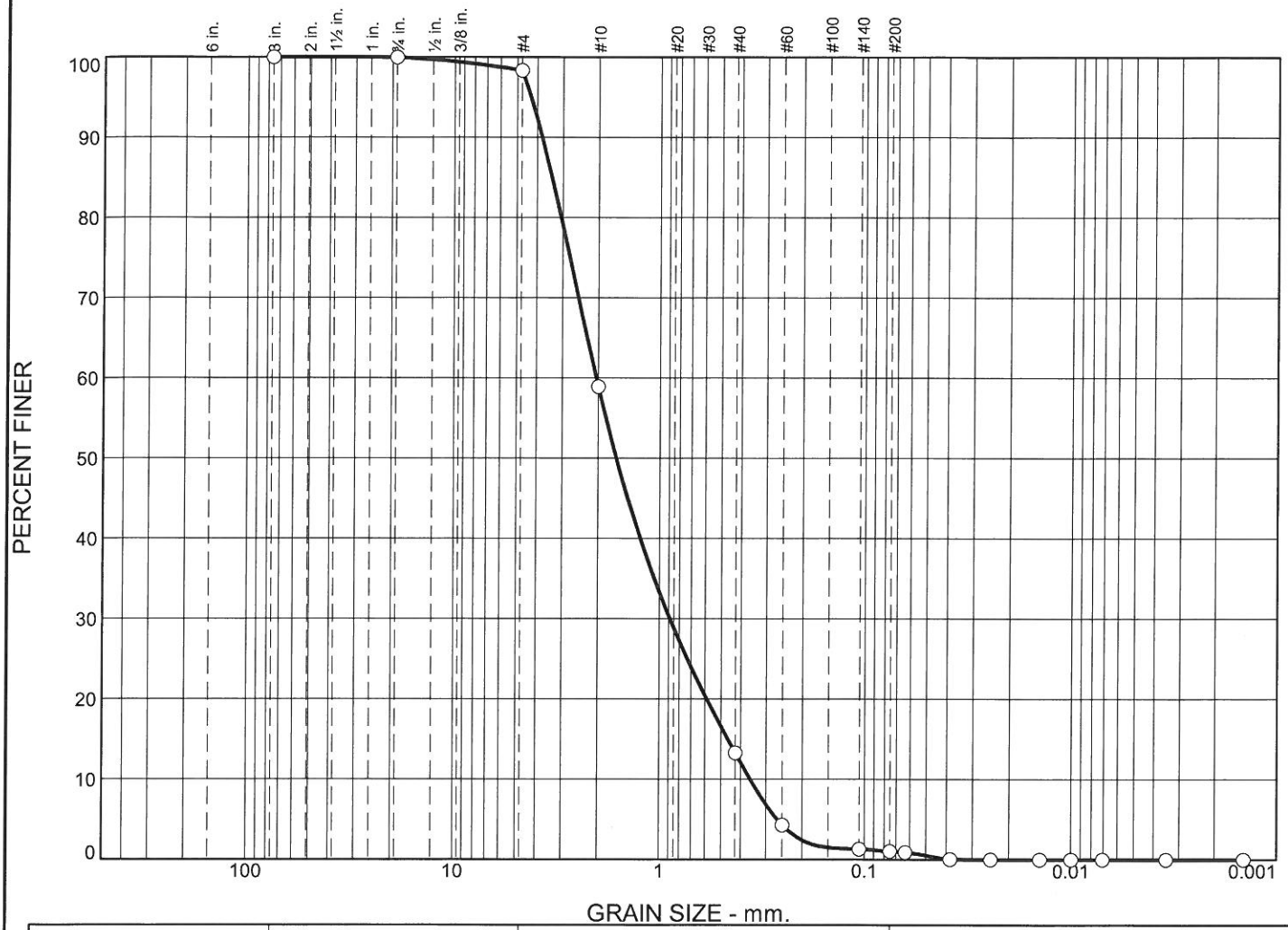
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.0	1.0	41.6	46.8	9.9	98.3	0.7	0.0	0.7

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.4114	0.5369	0.6774	0.9897	1.7066	2.1061	3.0737	3.3915	3.7685	4.2422

Fineness Modulus	C_u	C_c
3.76	5.12	1.13

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.7	39.4	45.6	12.3	1.0	0.0

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			3.3899	2.0468	1.6285	0.8904	0.4633	0.3596	1.08	5.69

	Material Description	USCS	AASHTO
○		SP	

Project No. **Client:**

Project:

○ **Source:** LDW-Y0-IN-ENR+AC-CC-CORE-1 **Sample No.:** L1712518-31

Remarks:

Alpha Analytical

Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

5/26/2017

Location: LDW-Y0-IN-ENR+AC-CC-CORE-1
Sample Number: L1712518-31
USCS Classification: SP

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
165.95	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	2.77	0.00	98.3
		#10	65.41	0.00	58.9
		#40	75.76	0.00	13.3
		#60	14.88	0.00	4.3
		#140	4.96	0.00	1.3
		#200	0.47	0.00	1.0
		#230	0.19	0.00	0.9

Hydrometer Test Data

Hydrometer test uses material passing #230
Percent passing #230 based upon complete sample = 0.9
Weight of hydrometer sample =167.06
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = 0
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 151H
Hydrometer effective depth equation: L = 16.294964 - 0.2645 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.9	1.0020	1.0020	0.0137	2.0	15.8	0.0384	0.0
5.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0245	0.0
15.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0141	0.0
30.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0100	0.0
60.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0071	0.0
250.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0035	0.0
1440.00	19.9	1.0010	1.0010	0.0137	1.0	16.0	0.0014	0.0

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.7	1.7	39.4	45.6	12.3	97.3	1.0	0.0	1.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.3596	0.4633	0.5883	0.8904	1.6285	2.0468	3.0562	3.3899	3.7888	4.2971

Fineness Modulus	C_u	C_c
3.68	5.69	1.08

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

MANSFIELD CHAIN OF CUSTODY

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L17 12518

Project Information

Project Name: LDW ENR/AC Pilot Study
Project Location: LDW
Project #: TBD
Project Manager: Liz Porta
ALPHA Quote #: M2015033

Report Information

☐ FAX
☐ ADEx

Data Deliverables

☒ EMAIL
☐ Add'l Deliverables

Billing Information

☒ Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program | *Criteria*

Client Information

Client: Amec Foster Wheeler
Address: 3500 188TH St. SW, Suite 601
Lynnwood, WA 98037
Phone: 425-921-4023
Fax:
Email: cliff.whitmus@amecfw.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: TBD Time: TBD

Other Project Specific Requirements/Comments/Detection Limits:
POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
12518 .01-06	LDW-Y0-IN-ENR-CA-CORE	4/13/17	1340	sediment	RG	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.07-12	LDW-Y0-IN-ENR-CB-CORE		1350	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.13-.18	LDW-Y0-IN-ENR-CC-CORE		1355	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.19-.24	LDW-Y0-IN-ENR+AC-CA-CORE		1415	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.25-30	LDW-Y0-IN-ENR+AC-CB-CORE		1430	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.31-36	LDW-Y0-IN-ENR+AC-CC-CORE		1440	sediment		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	see attached	2
.37-39	LDW-Y0-IN-ENR+AC-1-A-COR		1405	sediment		☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		1
.40-42	LDW-Y0-IN-ENR+AC-1-B-COR		1420	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.43-45	LDW-Y0-IN-ENR+AC-1-C-COR		1430	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.46-48	LDW-Y0-IN-ENR+AC-2-A-COR		1406	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
					Container Type	A	A	A	-	-	-	-	-	-	-	-	-		
					Preservative	A	A	A	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Gilmore AMECFW	4/17/17 0900	FedEx	
FedEx		Ken O'Brien - ANL	4/19/17 1027

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FORM NO: 101-09(I-NJ) (rev. 5-JAN-12)

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L1712518

Project Information

Project Name: LDW ENR/AC Pilot Study

Project Location: LDW

Project #: TBD

Project Manager: Liz Porta

ALPHA Quote #: M2015033

Report Information

☐ FAX
☐ ADEx

Data Deliverables

☒ EMAIL
☐ Add'l Deliverables

Billing Information

☒ Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Client Information

Client: Amec Foster Wheeler
Address: 3500 188TH St. SW, Suite 601
Lynnwood, WA 98037
Phone: 425-921-4023
Fax:
Email: cliff.whitmus@amecfw.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: TBD Time: TBD

Other Project Specific Requirements/Comments/Detection Limits:
POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
2518.49-51	LDW-Y0-IN-ENR+AC-2-B-COR	4/13/17	1421	sediment	RG	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.52-54	LDW-Y0-IN-ENR+AC-2-C-COR		1431	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.55-57	LDW-Y0-IN-ENR+AC-3-A-COR		1407	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.58-60	LDW-Y0-IN-ENR+AC-3-B-COR		1422	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.61-63	LDW-Y0-IN-ENR+AC-3-C-COR		1432	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.64-66	LDW-Y0-IN-ENR+AC-4-A-COR		1408	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.67-69	LDW-Y0-IN-ENR+AC-4-B-COR		1423	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.70-72	LDW-Y0-IN-ENR+AC-4-C-COR		1433	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.73-75	LDW-Y0-IN-ENR+AC-5-A-COR		1409	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.76-78	LDW-Y0-IN-ENR+AC-5-B-COR		1424	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
					Container Type	A	A	A	-	-	-	-	-	-	-	-	-		
					Preservative	A	A	A	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Coleman AmecFW	4/17/17 0900	FedEx	
fed ex		[illegible] - AAL	4/19/17 10:27

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FORM NO: 101-09(I-NJ)
(rev. 5-JAN-12)

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/17

ALPHA Job #: TBD L1712518

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Project Name: LDW ENR/AC Pilot Study
Project Location: LDW
Project #: TBD
Project Manager: Liz Porta
ALPHA Quote #: M2015033

Report Information / Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

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Lynnwood, WA 98037
Phone: 425-921-4023
Fax:
Email: cliff.whitmus@amecfw.com

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☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: TBD Time: TBD

Other Project Specific Requirements/Comments/Detection Limits:
POC: Gretchen Heavner- gretchen.heavner@floydsnider.com #206.292.2078

☒ MS/MSD (at unit cost) will be omitted unless you check here

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Volatile Solids (triplicate)	GS ASTM D422 using #230 sieve	#50 sieve and TVS	MS/Dup	Grain size in triplicate								Sample Specific Comments	TOTAL # BOTTLES
.79-81	LDW-Y0-IN-ENR+AC-5-C-COR	4/13/17	1434	sediment	RG	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		1
.82-84	LDW-Y0-IN-ENR+AC-6-A-COR		1410	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.85-87	LDW-Y0-IN-ENR+AC-6-B-COR		1425	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
.88-90	LDW-Y0-IN-ENR+AC-6-C-COR		1435	sediment		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	A	A	A	-	-	-	-	-	-	-	-	-
Preservative	A	A	A	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Coleman Fedex	4/17/17 0900	Fedex	
		Lin Chaffee-ARC	4/19/17 1027

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