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Automated Report

Technical Report for

WSP USA

Orchard School Soil Remediation, Ridgewood, NJ

31402200.001

SGS Job Number: JD10224R

Sampling Date: 07/15/20

Report to:

**WSP USA
600 East Crescent Avenue Suite 200
Upper Saddle River, NJ 07458
MAyers@lbgnj.com**

ATTN: Matt Ayers

Total number of pages in report: 44



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

A handwritten signature in black ink, appearing to read "Hemex Patel".

Hemex Patel
Appointed Deputy for GM

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

WSP USA

Job No: JD10224R

Orchard School Soil Remediation, Ridgewood, NJ
Project No: 31402200.001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JD10224-1R	07/15/20	13:55 SZ	07/16/20	SO	Soil	TS (2)
JD10224-2R	07/15/20	14:15 SZ	07/16/20	SO	Soil	TS (4)
JD10224-3R	07/15/20	14:35 SZ	07/16/20	SO	Soil	TS (6)

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA

Job No JD10224R

Site: Orchard School Soil Remediation, Ridgewood, NJ

Report Date 7/28/2020 12:18:39 P

On 07/16/2020, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD10224R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals Analysis By Method SW846 7470A

Matrix: LEACHATE **Batch ID:** MP22088

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD10224-1RMS, JD10224-1RMSD were used as the QC samples for metals.

General Chemistry By Method SW846 1312

Matrix: ALL **Batch ID:** GN9957

- The data for SW846 1312 meets quality control requirements.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Tuesday, July 28, 2020

Page 1 of 1

Summary of Hits

Job Number: JD10224R
Account: WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ
Collected: 07/15/20



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JD10224-1R TS (2)

pH, SPLP Leachate	7.92				su	SW846 1312
Volume, SPLP Leachate	2.013				l	SW846 1312
Weight, SPLP Leachate	0.1004				kg	SW846 1312
Dry Weight, SPLP Leachate	0.07115				kg	SW846 1312

JD10224-2R TS (4)

pH, SPLP Leachate	8.09				su	SW846 1312
Volume, SPLP Leachate	2.009				l	SW846 1312
Weight, SPLP Leachate	0.1004				kg	SW846 1312
Dry Weight, SPLP Leachate	0.07250				kg	SW846 1312

JD10224-3R TS (6)

pH, SPLP Leachate	7.67				su	SW846 1312
Volume, SPLP Leachate	2.002				l	SW846 1312
Weight, SPLP Leachate	0.1001				kg	SW846 1312
Dry Weight, SPLP Leachate	0.07668				kg	SW846 1312

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TS (2)	
Lab Sample ID: JD10224-1R	Date Sampled: 07/15/20
Matrix: SO - Soil	Date Received: 07/16/20
	Percent Solids: 70.7
Project: Orchard School Soil Remediation, Ridgewood, NJ	

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20		0.20	ug/l	1	07/27/20	07/27/20 LL	SW846 7470A ¹	SW846 7470A ²

(1) Instrument QC Batch: MA49046

(2) Prep QC Batch: MP22088

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

4.1
4

Report of Analysis

Client Sample ID: TS (2)		Date Sampled: 07/15/20
Lab Sample ID: JD10224-1R		Date Received: 07/16/20
Matrix: SO - Soil		Percent Solids: 70.7
Project: Orchard School Soil Remediation, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
SPLP Ratio for Extractables and Metals							
pH, SPLP Leachate	7.92		su	1	07/25/20 11:00	JOO	SW846 1312
Volume, SPLP Leachate	2.013		l	1	07/25/20 11:00	JOO	SW846 1312
Weight, SPLP Leachate	0.1004		kg	1	07/25/20 11:00	JOO	SW846 1312
Dry Weight, SPLP Leachate	0.07115		kg	1	07/25/20 11:00	JOO	SW846 1312

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID: TS (4)	Date Sampled: 07/15/20
Lab Sample ID: JD10224-2R	Date Received: 07/16/20
Matrix: SO - Soil	Percent Solids: 72.2
Project: Orchard School Soil Remediation, Ridgewood, NJ	

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20		0.20	ug/l	1	07/27/20	07/27/20 LL	SW846 7470A ¹	SW846 7470A ²

(1) Instrument QC Batch: MA49046

(2) Prep QC Batch: MP22088

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

4.2
4

Report of Analysis

Client Sample ID: TS (4)		Date Sampled: 07/15/20
Lab Sample ID: JD10224-2R		Date Received: 07/16/20
Matrix: SO - Soil		Percent Solids: 72.2
Project: Orchard School Soil Remediation, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
SPLP Ratio for Extractables and Metals							
pH, SPLP Leachate	8.09		su	1	07/25/20 11:00	JOO	SW846 1312
Volume, SPLP Leachate	2.009		l	1	07/25/20 11:00	JOO	SW846 1312
Weight, SPLP Leachate	0.1004		kg	1	07/25/20 11:00	JOO	SW846 1312
Dry Weight, SPLP Leachate	0.07250		kg	1	07/25/20 11:00	JOO	SW846 1312

RL = Reporting Limit

4.2
4

Report of Analysis

Client Sample ID: TS (6)	Date Sampled: 07/15/20
Lab Sample ID: JD10224-3R	Date Received: 07/16/20
Matrix: SO - Soil	Percent Solids: 76.6
Project: Orchard School Soil Remediation, Ridgewood, NJ	

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20		0.20	ug/l	1	07/27/20	07/27/20 LL	SW846 7470A ¹	SW846 7470A ²

(1) Instrument QC Batch: MA49046

(2) Prep QC Batch: MP22088

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

4.3
4

Report of Analysis

Client Sample ID: TS (6)		Date Sampled: 07/15/20
Lab Sample ID: JD10224-3R		Date Received: 07/16/20
Matrix: SO - Soil		Percent Solids: 76.6
Project: Orchard School Soil Remediation, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
SPLP Ratio for Extractables and Metals							
pH, SPLP Leachate	7.67		su	1	07/25/20 11:00	JOO	SW846 1312
Volume, SPLP Leachate	2.002		l	1	07/25/20 11:00	JOO	SW846 1312
Weight, SPLP Leachate	0.1001		kg	1	07/25/20 11:00	JOO	SW846 1312
Dry Weight, SPLP Leachate	0.07668		kg	1	07/25/20 11:00	JOO	SW846 1312

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehusa

FED-EX Tracking #
Bottle Order Control #
SGS Quote # JD 10224

Client / Reporting Information, Project Information, Requested Analysis, Matrix Codes, Lab Use Only, Turn Around Time, Deliverable, Comments / Special Instructions, Relinquished/Received by, Date / Time, Cooler Temp.

5.1
5

JD10224R: Chain of Custody

Page 1 of 3



SGS Sample Receipt Summary

Job Number: JD10224

Client: WSP USA

Project: ORCHARD SCHOOL SOIL REMEDIATION, NJ

Date / Time Received: 7/16/2020 6:30:00 PM

Delivery Method:

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JD10224R: Chain of Custody

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5.1
5

Job Change Order: JD10224

Requested Date: 7/24/2020 **Received Date:** 7/16/2020
Account Name: WSP USA **Due Date:** 7/30/2020
Project Description: Orchard School Soil Remediation, Ridgewood, NJ **Deliverable:** REDT2
C/O Initiated By: VLP **PM:** VP **TAT (Days):** 3

=====
Sample #: JD10224-1, -2, -3 **Change:**
Dept: Please relog for SPLPE, SPLPRATIO, EHG

TAT: 3
=====

JD10224R: Chain of Custody
Page 3 of 3

Above Changes Per: Matt Ayers **Date/Time:** 7/24/2020 9:23:00 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

WSP USA

Job No: JD10224R

Orchard School Soil Remediation, Ridgewood, NJ
Project No: 31402200.001

5.2
5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD10224-1R Collected: 15-JUL-20 13:55 By: SZ Received: 16-JUL-20 By: JP TS (2)						
JD10224-1RSW846 1312		25-JUL-20 11:00	JOO			SPLPRATIO
JD10224-1RSW846 7470A		27-JUL-20 11:36	LL	27-JUL-20	LL	EHG
JD10224-2R Collected: 15-JUL-20 14:15 By: SZ Received: 16-JUL-20 By: JP TS (4)						
JD10224-2RSW846 1312		25-JUL-20 11:00	JOO			SPLPRATIO
JD10224-2RSW846 7470A		27-JUL-20 11:37	LL	27-JUL-20	LL	EHG
JD10224-3R Collected: 15-JUL-20 14:35 By: SZ Received: 16-JUL-20 By: JP TS (6)						
JD10224-3RSW846 1312		25-JUL-20 11:00	JOO			SPLPRATIO
JD10224-3RSW846 7470A		27-JUL-20 11:43	LL	27-JUL-20	LL	EHG

SGS Internal Chain of Custody

Job Number: JD10224R
 Account: LBGNJ WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ
 Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD10224-1.1	Secured Storage	Taylor Gorman	07/17/20 06:48	Retrieve from Storage
JD10224-1.1	Taylor Gorman	Secured Storage	07/17/20 15:46	Return to Storage
JD10224-1.1	Secured Storage	Benjamin Gaines	07/20/20 09:11	Retrieve from Storage
JD10224-1.1	Benjamin Gaines	Secured Staging Area	07/20/20 09:11	Return to Storage
JD10224-1.1	Secured Staging Area	Benjamin Gaines	07/20/20 13:13	Retrieve from Storage
JD10224-1.1	Benjamin Gaines	Secured Storage	07/20/20 13:13	Return to Storage
JD10224-1.1	Secured Storage	Omar Khalid	07/20/20 13:51	Retrieve from Storage
JD10224-1.1	Omar Khalid	Secured Staging Area	07/20/20 13:51	Return to Storage
JD10224-1.1	Secured Staging Area	Luis Jimenez	07/20/20 13:55	Retrieve from Storage
JD10224-1.1	Secured Storage	Matthew Robbins	07/20/20 18:33	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-1.1	Matthew Robbins	Secured Staging Area	07/20/20 18:33	Return to Storage
JD10224-1.1	Secured Staging Area	Natasha Torres	07/21/20 06:20	Retrieve from Storage
JD10224-1.1	Secured Storage	Omar Khalid	07/21/20 14:23	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-1.1	Omar Khalid	Secured Staging Area	07/21/20 14:23	Return to Storage
JD10224-1.1	Secured Staging Area	Lindsey Lee	07/22/20 06:13	Retrieve from Storage
JD10224-1.1	Lindsey Lee	Secured Storage	07/22/20 08:25	Return to Storage
JD10224-1.1	Secured Storage	Todd Shoemaker	07/22/20 10:33	Retrieve from Storage
JD10224-1.1	Todd Shoemaker	Secured Staging Area	07/22/20 10:33	Return to Storage
JD10224-1.1	Secured Staging Area	Kehinde Hamed	07/22/20 11:00	Retrieve from Storage
JD10224-1.1	Kehinde Hamed	Secured Storage	07/22/20 13:14	Return to Storage
JD10224-1.1	Secured Storage	Todd Shoemaker	07/24/20 12:32	Retrieve from Storage
JD10224-1.1	Todd Shoemaker	Secured Staging Area	07/24/20 12:32	Return to Storage
JD10224-1.1	Secured Staging Area	Jared O. Onindo	07/24/20 14:50	Retrieve from Storage
JD10224-1.1	Jared O. Onindo	Secured Storage	07/26/20 17:07	Return to Storage
JD10224-1.1.1	Taylor Gorman	Metals Digestion	07/17/20 07:40	Digestate from JD10224-1.1
JD10224-1.1.1	Metals Digestion	Taylor Gorman	07/17/20 07:41	Digestate from JD10224-1.1
JD10224-1.1.1	Taylor Gorman	Metals Digestate Storage	07/17/20 07:41	Return to Storage
JD10224-1.1.2	Luis Jimenez	Organics Prep	07/20/20 13:56	Extract from JD10224-1.1
JD10224-1.1.2	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-1.1
JD10224-1.1.2	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-1.1.2	Extract Storage	James Canas	07/21/20 14:43	Retrieve from Storage
JD10224-1.1.2	James Canas	GCMSM	07/21/20 14:43	Load on Instrument
JD10224-1.1.2	GCMSM	Henny Salim	07/22/20 15:45	Unload from Instrument
JD10224-1.1.2	Henny Salim	GCMS2P	07/22/20 15:45	Load on Instrument
JD10224-1.1.2	GCMS2P	Henny Salim	07/28/20 08:22	Unload from Instrument
JD10224-1.1.2	Henny Salim	Extract Freezer	07/28/20 08:22	Return to Storage
JD10224-1.1.3	Luis Jimenez	Organics Prep	07/20/20 13:58	Extract from JD10224-1.1
JD10224-1.1.3	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-1.1
JD10224-1.1.3	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage

5.3
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SGS Internal Chain of Custody

Job Number: JD10224R
 Account: LBGNJ WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ
 Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD10224-1.1.3	Extract Storage	Christine Phillips	07/21/20 02:00	Retrieve from Storage
JD10224-1.1.3	Christine Phillips	GC5G	07/21/20 02:00	Load on Instrument
JD10224-1.1.4	Luis Jimenez	Organics Prep	07/20/20 14:05	Extract from JD10224-1.1
JD10224-1.1.4	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-1.1
JD10224-1.1.4	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-1.1.4	Extract Storage	Christine Phillips	07/21/20 00:41	Retrieve from Storage
JD10224-1.1.4	Christine Phillips	GC1G	07/21/20 00:42	Load on Instrument
JD10224-1.1.5	Natasha Torres	Organics Prep	07/21/20 06:24	Extract from JD10224-1.1
JD10224-1.1.5	Organics Prep	Luis Jimenez	07/21/20 13:26	Extract from JD10224-1.1
JD10224-1.1.5	Luis Jimenez	Extract Storage	07/21/20 13:26	Return to Storage
JD10224-1.1.5	Extract Storage	Thomas Lally	07/21/20 15:15	Retrieve from Storage
JD10224-1.1.5	Thomas Lally	GC5Y	07/21/20 15:15	Load on Instrument
JD10224-1.1.6	Jared O. Onindo	TCLP	07/24/20 14:50	Leachate from JD10224-1.1
JD10224-1.1.6	TCLP	Jared O. Onindo	07/25/20 12:52	Leachate from JD10224-1.1
JD10224-1.1.6	Jared O. Onindo	Secured Storage	07/25/20 12:52	Return to Storage
JD10224-1.1.7	Jared O. Onindo	TCLP	07/26/20 15:11	Leachate from JD10224-1.1
JD10224-1.2	Secured Storage	Matthew Robbins	07/20/20 16:36	Retrieve from Storage
JD10224-1.2	Matthew Robbins	Secured Staging Area	07/20/20 16:36	Return to Storage
JD10224-1.2	Secured Staging Area	Dave Hunkele	07/23/20 07:14	Retrieve from Storage
JD10224-1.2	Dave Hunkele	Secured Storage	07/23/20 07:15	Return to Storage
JD10224-1.3	Secured Storage	Jayna Patel	07/17/20 10:05	Retrieve from Storage
JD10224-1.3	Jayna Patel	Secured Storage	07/17/20 10:05	Return to Storage
JD10224-1.6	Secured Storage	Thien Nguyen	07/17/20 11:38	Retrieve from Storage
JD10224-1.6	Thien Nguyen	GCMS1C	07/17/20 11:38	Load on Instrument
JD10224-1.6	GCMS1C	Prashant Shukla	07/18/20 09:34	Unload from Instrument
JD10224-1.6	Prashant Shukla		07/18/20 09:35	Depleted
JD10224-2.1	Secured Storage	Taylor Gorman	07/17/20 06:48	Retrieve from Storage
JD10224-2.1	Taylor Gorman	Secured Storage	07/17/20 15:46	Return to Storage
JD10224-2.1	Secured Storage	Benjamin Gaines	07/20/20 09:11	Retrieve from Storage
JD10224-2.1	Benjamin Gaines	Secured Staging Area	07/20/20 09:11	Return to Storage
JD10224-2.1	Secured Staging Area	Benjamin Gaines	07/20/20 13:13	Retrieve from Storage
JD10224-2.1	Benjamin Gaines	Secured Storage	07/20/20 13:13	Return to Storage
JD10224-2.1	Secured Storage	Omar Khalid	07/20/20 13:51	Retrieve from Storage
JD10224-2.1	Omar Khalid	Secured Staging Area	07/20/20 13:51	Return to Storage
JD10224-2.1	Secured Staging Area	Luis Jimenez	07/20/20 13:55	Retrieve from Storage
JD10224-2.1	Secured Storage	Matthew Robbins	07/20/20 18:33	Retrieve from Storage

5.3
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SGS Internal Chain of Custody

Job Number: JD10224R
 Account: LBGNJ WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ
 Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
----------------------	---------------	-------------	-----------	--------

Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-2.1	Matthew Robbins	Secured Staging Area	07/20/20 18:33	Return to Storage
JD10224-2.1	Secured Staging Area	Natasha Torres	07/21/20 06:20	Retrieve from Storage
JD10224-2.1	Secured Storage	Omar Khalid	07/21/20 14:23	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-2.1	Omar Khalid	Secured Staging Area	07/21/20 14:23	Return to Storage
JD10224-2.1	Secured Staging Area	Lindsey Lee	07/22/20 06:13	Retrieve from Storage
JD10224-2.1	Lindsey Lee	Secured Storage	07/22/20 08:25	Return to Storage
JD10224-2.1	Secured Storage	Todd Shoemaker	07/22/20 10:33	Retrieve from Storage
JD10224-2.1	Todd Shoemaker	Secured Staging Area	07/22/20 10:33	Return to Storage
JD10224-2.1	Secured Staging Area	Kehinde Hamed	07/22/20 11:00	Retrieve from Storage
JD10224-2.1	Kehinde Hamed	Secured Storage	07/22/20 13:14	Return to Storage
JD10224-2.1	Secured Storage	Todd Shoemaker	07/24/20 12:32	Retrieve from Storage
JD10224-2.1	Todd Shoemaker	Secured Staging Area	07/24/20 12:32	Return to Storage
JD10224-2.1	Secured Staging Area	Jared O. Onindo	07/24/20 14:50	Retrieve from Storage
JD10224-2.1	Jared O. Onindo	Secured Storage	07/26/20 17:07	Return to Storage
JD10224-2.1.1	Taylor Gorman	Metals Digestion	07/17/20 07:40	Digestate from JD10224-2.1
JD10224-2.1.1	Metals Digestion	Taylor Gorman	07/17/20 07:41	Digestate from JD10224-2.1
JD10224-2.1.1	Taylor Gorman	Metals Digestate Storage	07/17/20 07:41	Return to Storage
JD10224-2.1.2	Luis Jimenez	Organics Prep	07/20/20 13:56	Extract from JD10224-2.1
JD10224-2.1.2	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-2.1
JD10224-2.1.2	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-2.1.2	Extract Storage	James Canas	07/21/20 14:43	Retrieve from Storage
JD10224-2.1.2	James Canas	GCMSM	07/21/20 14:43	Load on Instrument
JD10224-2.1.2	GCMSM	Henny Salim	07/22/20 15:45	Unload from Instrument
JD10224-2.1.2	Henny Salim	GCMS2P	07/22/20 15:45	Load on Instrument
JD10224-2.1.2	GCMS2P	Henny Salim	07/28/20 08:22	Unload from Instrument
JD10224-2.1.2	Henny Salim	Extract Freezer	07/28/20 08:22	Return to Storage
JD10224-2.1.3	Luis Jimenez	Organics Prep	07/20/20 13:58	Extract from JD10224-2.1
JD10224-2.1.3	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-2.1
JD10224-2.1.3	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-2.1.3	Extract Storage	Christine Phillips	07/21/20 02:00	Retrieve from Storage
JD10224-2.1.3	Christine Phillips	GC5G	07/21/20 02:00	Load on Instrument
JD10224-2.1.4	Luis Jimenez	Organics Prep	07/20/20 14:05	Extract from JD10224-2.1
JD10224-2.1.4	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-2.1
JD10224-2.1.4	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-2.1.4	Extract Storage	Christine Phillips	07/21/20 00:41	Retrieve from Storage
JD10224-2.1.4	Christine Phillips	GC1G	07/21/20 00:42	Load on Instrument
JD10224-2.1.5	Natasha Torres	Organics Prep	07/21/20 06:24	Extract from JD10224-2.1

SGS Internal Chain of Custody

Job Number: JD10224R
 Account: LBGNJ WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ
 Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD10224-2.1.5	Organics Prep	Luis Jimenez	07/21/20 13:26	Extract from JD10224-2.1
JD10224-2.1.5	Luis Jimenez	Extract Storage	07/21/20 13:26	Return to Storage
JD10224-2.1.5	Extract Storage	Thomas Lally	07/21/20 15:15	Retrieve from Storage
JD10224-2.1.5	Thomas Lally	GC5Y	07/21/20 15:15	Load on Instrument
JD10224-2.1.6	Jared O. Onindo	TCLP	07/24/20 14:50	Leachate from JD10224-2.1
JD10224-2.1.6	TCLP	Jared O. Onindo	07/25/20 12:52	Leachate from JD10224-2.1
JD10224-2.1.6	Jared O. Onindo	Secured Storage	07/25/20 12:52	Return to Storage
JD10224-2.1.7	Jared O. Onindo	TCLP	07/26/20 15:11	Leachate from JD10224-2.1
JD10224-2.2	Secured Storage	Matthew Robbins	07/20/20 16:36	Retrieve from Storage
JD10224-2.2	Matthew Robbins	Secured Staging Area	07/20/20 16:36	Return to Storage
JD10224-2.2	Secured Staging Area	Dave Hunkele	07/23/20 07:14	Retrieve from Storage
JD10224-2.2	Dave Hunkele	Secured Storage	07/23/20 07:15	Return to Storage
JD10224-2.3	Secured Storage	Jayna Patel	07/17/20 10:05	Retrieve from Storage
JD10224-2.3	Jayna Patel	Secured Storage	07/17/20 10:05	Return to Storage
JD10224-2.6	Secured Storage	Thien Nguyen	07/17/20 11:38	Retrieve from Storage
JD10224-2.6	Thien Nguyen	GCMS1C	07/17/20 11:38	Load on Instrument
JD10224-2.6	GCMS1C	Prashant Shukla	07/18/20 09:34	Unload from Instrument
JD10224-2.6	Prashant Shukla		07/18/20 09:35	Depleted
JD10224-3.1	Secured Storage	Taylor Gorman	07/17/20 06:48	Retrieve from Storage
JD10224-3.1	Taylor Gorman	Secured Storage	07/17/20 15:46	Return to Storage
JD10224-3.1	Secured Storage	Benjamin Gaines	07/20/20 09:11	Retrieve from Storage
JD10224-3.1	Benjamin Gaines	Secured Staging Area	07/20/20 09:11	Return to Storage
JD10224-3.1	Secured Staging Area	Benjamin Gaines	07/20/20 13:13	Retrieve from Storage
JD10224-3.1	Benjamin Gaines	Secured Storage	07/20/20 13:13	Return to Storage
JD10224-3.1	Secured Storage	Omar Khalid	07/20/20 13:51	Retrieve from Storage
JD10224-3.1	Omar Khalid	Secured Staging Area	07/20/20 13:51	Return to Storage
JD10224-3.1	Secured Staging Area	Luis Jimenez	07/20/20 13:55	Retrieve from Storage
JD10224-3.1	Secured Storage	Matthew Robbins	07/20/20 18:33	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-3.1	Matthew Robbins	Secured Staging Area	07/20/20 18:33	Return to Storage
JD10224-3.1	Secured Staging Area	Natasha Torres	07/21/20 06:20	Retrieve from Storage
JD10224-3.1	Secured Storage	Omar Khalid	07/21/20 14:23	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JD10224-3.1	Omar Khalid	Secured Staging Area	07/21/20 14:23	Return to Storage
JD10224-3.1	Secured Staging Area	Lindsey Lee	07/22/20 06:13	Retrieve from Storage
JD10224-3.1	Lindsey Lee	Secured Storage	07/22/20 08:25	Return to Storage
JD10224-3.1	Secured Storage	Todd Shoemaker	07/22/20 10:33	Retrieve from Storage
JD10224-3.1	Todd Shoemaker	Secured Staging Area	07/22/20 10:33	Return to Storage

5.3
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SGS Internal Chain of Custody

Job Number: JD10224R
 Account: LBGNJ WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ
 Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD10224-3.1	Secured Staging Area	Kehinde Hamed	07/22/20 11:00	Retrieve from Storage
JD10224-3.1	Kehinde Hamed	Secured Storage	07/22/20 13:14	Return to Storage
JD10224-3.1	Secured Storage	Todd Shoemaker	07/24/20 12:32	Retrieve from Storage
JD10224-3.1	Todd Shoemaker	Secured Staging Area	07/24/20 12:32	Return to Storage
JD10224-3.1	Secured Staging Area	Jared O. Onindo	07/24/20 14:50	Retrieve from Storage
JD10224-3.1	Jared O. Onindo	Secured Storage	07/26/20 17:07	Return to Storage
JD10224-3.1.1	Taylor Gorman	Metals Digestion	07/17/20 07:40	Digestate from JD10224-3.1
JD10224-3.1.1	Metals Digestion	Taylor Gorman	07/17/20 07:41	Digestate from JD10224-3.1
JD10224-3.1.1	Taylor Gorman	Metals Digestate Storage	07/17/20 07:41	Return to Storage
JD10224-3.1.2	Luis Jimenez	Organics Prep	07/20/20 13:56	Extract from JD10224-3.1
JD10224-3.1.2	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-3.1
JD10224-3.1.2	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-3.1.2	Extract Storage	James Canas	07/21/20 14:43	Retrieve from Storage
JD10224-3.1.2	James Canas	GCMSM	07/21/20 14:43	Load on Instrument
JD10224-3.1.2	GCMSM	Henny Salim	07/22/20 15:45	Unload from Instrument
JD10224-3.1.2	Henny Salim	GCMS2P	07/22/20 15:45	Load on Instrument
JD10224-3.1.2	GCMS2P	Henny Salim	07/28/20 08:22	Unload from Instrument
JD10224-3.1.2	Henny Salim	Extract Freezer	07/28/20 08:22	Return to Storage
JD10224-3.1.3	Luis Jimenez	Organics Prep	07/20/20 13:58	Extract from JD10224-3.1
JD10224-3.1.3	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-3.1
JD10224-3.1.3	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-3.1.3	Extract Storage	Christine Phillips	07/21/20 02:00	Retrieve from Storage
JD10224-3.1.3	Christine Phillips	GC5G	07/21/20 02:00	Load on Instrument
JD10224-3.1.4	Luis Jimenez	Organics Prep	07/20/20 14:05	Extract from JD10224-3.1
JD10224-3.1.4	Organics Prep	Luis Jimenez	07/20/20 21:49	Extract from JD10224-3.1
JD10224-3.1.4	Luis Jimenez	Extract Storage	07/20/20 21:49	Return to Storage
JD10224-3.1.4	Extract Storage	Christine Phillips	07/21/20 00:41	Retrieve from Storage
JD10224-3.1.4	Christine Phillips	GC1G	07/21/20 00:42	Load on Instrument
JD10224-3.1.5	Natasha Torres	Organics Prep	07/21/20 06:24	Extract from JD10224-3.1
JD10224-3.1.5	Organics Prep	Luis Jimenez	07/21/20 13:26	Extract from JD10224-3.1
JD10224-3.1.5	Luis Jimenez	Extract Storage	07/21/20 13:26	Return to Storage
JD10224-3.1.5	Extract Storage	Thomas Lally	07/21/20 15:15	Retrieve from Storage
JD10224-3.1.5	Thomas Lally	GC5Y	07/21/20 15:15	Load on Instrument
JD10224-3.1.6	Jared O. Onindo	TCLP	07/24/20 14:50	Leachate from JD10224-3.1
JD10224-3.1.6	TCLP	Jared O. Onindo	07/25/20 12:52	Leachate from JD10224-3.1
JD10224-3.1.6	Jared O. Onindo	Secured Storage	07/25/20 12:52	Return to Storage
JD10224-3.1.7	Jared O. Onindo	TCLP	07/26/20 15:11	Leachate from JD10224-3.1

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SGS Internal Chain of Custody

Job Number: JD10224R
Account: LBGNJ WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ
Received: 07/16/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD10224-3.2	Secured Storage	Matthew Robbins	07/20/20 16:36	Retrieve from Storage
JD10224-3.2	Matthew Robbins	Secured Staging Area	07/20/20 16:36	Return to Storage
JD10224-3.2	Secured Staging Area	Dave Hunkele	07/23/20 07:14	Retrieve from Storage
JD10224-3.2	Dave Hunkele	Secured Storage	07/23/20 07:15	Return to Storage
JD10224-3.3	Secured Storage	Jayna Patel	07/17/20 10:05	Retrieve from Storage
JD10224-3.3	Jayna Patel	Secured Storage	07/17/20 10:05	Return to Storage
JD10224-3.6	Secured Storage	Thien Nguyen	07/17/20 11:38	Retrieve from Storage
JD10224-3.6	Thien Nguyen	GCMS1C	07/17/20 11:38	Load on Instrument
JD10224-3.6	GCMS1C	Prashant Shukla	07/18/20 09:34	Unload from Instrument
JD10224-3.6	Prashant Shukla		07/18/20 09:35	Depleted

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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
Analyst: LL Run ID: MA49046
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:44	MA49046-STD1	1		B=2.7942E-004, C=-9.8304E-004, RHO=0.9998471
09:45	MA49046-STD2	1		STDB
09:46	MA49046-STD3	1		STDC
09:48	MA49046-STD4	1		STDD
09:49	MA49046-STD5	1		STDE
09:51	MA49046-STD6	1		STDF
10:00	MA49046-ICV1	1		
10:01	MA49046-ICB1	1		
10:03	MA49046-CCV1	1		
10:04	MA49046-CCB1	1		
10:06	MA49046-CRI1	1		
10:07	MP22085-B1	1		
10:09	MP22085-S1	1		
10:10	MP22085-S2	1		
10:12	JD10466-1	1		(sample used for QC only; not part of login JD10224R)
10:14	MP22085-MB1	1		
10:15	MA49046-CCV2	1		
10:16	MA49046-CCB2	1		
10:18	MP22086-B1	1		
10:19	MP22086-S1	1		
10:21	MP22086-S2	1		
10:23	JD10358-5A	1		(sample used for QC only; not part of login JD10224R)
10:24	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:28	MP22086-MB1	1		
10:30	MA49046-CCV3	1		
10:31	MA49046-CCB3	1		
10:33	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:38	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
Analyst: LL Run ID: MA49046
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:39	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:43	MA49046-CCV4	1		
10:44	MA49046-CCB4	1		
10:46	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:54	MP22087-B1	1		
10:55	MP22087-MB1	1		
10:57	MA49046-CCV5	1		
10:58	MA49046-CCB5	1		
11:00	MP22087-B2	1		
11:01	MP22087-S1	1		
11:03	MP22087-S2	1		
11:05	JD10062-5R	1		(sample used for QC only; not part of login JD10224R)
11:06	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:10	MP22087-MB2	1		
11:12	MA49046-CCV6	1		
11:13	MA49046-CCB6	1		
11:15	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
Analyst: LL Run ID: MA49046
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:25	MA49046-CCV7	1		
11:26	MA49046-CCB7	1		
11:28	ZZZZZ	1		
11:30	ZZZZZ	1		
11:31	MP22088-B1	1		
11:32	MP22088-S1	1		
11:34	MP22088-S2	1		
11:36	JD10224-1R	1		
11:37	JD10224-2R	1		
11:39	MP22088-MB1	1		
11:40	MA49046-CCV8	1		
11:41	MA49046-CCB8	1		
11:43	JD10224-3R	1		
----->	Last reportable sample/prep for job JD10224R			
11:44	ZZZZZ	1		
11:46	MA49046-CCV9	1		
11:47	MA49046-CCB9	1		
----->	Last reportable CCB for job JD10224R			
	Refer to raw data for calibration curve and standards.			

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REPORTED ELEMENTS SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 Analyst: LL Run ID: MA49046
 Parameters: Hg

Time	Sample Description	Element:	Dilution	H g
10:00	MA49046-ICV1	1		X
10:01	MA49046-ICB1	1		X
10:03	MA49046-CCV1	1		X
10:04	MA49046-CCB1	1		X
10:06	MA49046-CRI1	1		X
10:07	MP22085-B1	1		X
10:09	MP22085-S1	1		X
10:10	MP22085-S2	1		X
10:12	JD10466-1	1		X (a)
10:14	MP22085-MB1	1		X
10:15	MA49046-CCV2	1		X
10:16	MA49046-CCB2	1		X
10:18	MP22086-B1	1		X
10:19	MP22086-S1	1		X
10:21	MP22086-S2	1		X
10:23	JD10358-5A	1		X (a)
10:24	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:28	MP22086-MB1	1		X
10:30	MA49046-CCV3	1		X
10:31	MA49046-CCB3	1		X
10:33	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:43	MA49046-CCV4	1		X
10:44	MA49046-CCB4	1		X
10:46	ZZZZZZ	1		
		Element:	H	
			g	

REPORTED ELEMENTS SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 Analyst: LL Run ID: MA49046
 Parameters: Hg

Time	Sample Description	Element: H Dilution g
10:48	ZZZZZZ	1
10:49	ZZZZZZ	1
10:50	ZZZZZZ	1
10:51	ZZZZZZ	1
10:53	ZZZZZZ	1
10:54	MP22087-B1	1 X
10:55	MP22087-MB1	1 X
10:57	MA49046-CCV5	1 X
10:58	MA49046-CCB5	1 X
11:00	MP22087-B2	1 X
11:01	MP22087-S1	1 X
11:03	MP22087-S2	1 X
11:05	JD10062-5R	1 X (a)
11:06	ZZZZZZ	1
11:08	ZZZZZZ	1
11:09	ZZZZZZ	1
11:10	MP22087-MB2	1 X
11:12	MA49046-CCV6	1 X
11:13	MA49046-CCB6	1 X
11:15	ZZZZZZ	1
11:16	ZZZZZZ	1
11:17	ZZZZZZ	1
11:19	ZZZZZZ	1
11:20	ZZZZZZ	1
11:21	ZZZZZZ	1
11:23	ZZZZZZ	1
11:24	ZZZZZZ	1
11:25	MA49046-CCV7	1 X
11:26	MA49046-CCB7	1 X
11:28	ZZZZZZ	1
11:30	ZZZZZZ	1
11:31	MP22088-B1	1 X
11:32	MP22088-S1	1 X
		Element: H g

6.1.1
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REPORTED ELEMENTS SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 Analyst: LL Run ID: MA49046
 Parameters: Hg

Time	Sample Description	Element:	Dilution	Hg
11:34	MP22088-S2		1	X
11:36	JD10224-1R		1	X
11:37	JD10224-2R		1	X
11:39	MP22088-MB1		1	X
11:40	MA49046-CCV8		1	X
11:41	MA49046-CCB8		1	X
11:43	JD10224-3R		1	X
11:44	ZZZZZ		1	
11:46	MA49046-CCV9		1	X
11:47	MA49046-CCB9		1	X

(a) Sample used for QC only; not part of login JD10224R.

Element: Hg

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 QC Limits: result < RL Run ID: MA49046 Units: ug/l

Time:			10:01		10:04		10:16		10:31	
Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Metal			raw		raw		raw		raw	
Mercury	0.20	.021	-0.0566	<0.20	-0.0208	<0.20	-0.0462	<0.20	-0.0418	<0.20

(*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 QC Limits: result < RL Run ID: MA49046 Units: ug/l

	Time:		10:44		10:58		11:13		11:26	
	Sample ID:		CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.021	-0.0423	<0.20	-0.0678	<0.20	-0.0594	<0.20	-0.0440	<0.20

(*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
 QC Limits: result < RL Run ID: MA49046 Units: ug/l

Time:			11:41		11:47	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final

Mercury	0.20	.021	-0.0451	<0.20	-0.0666	<0.20
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(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA49046 Units: ug/l

	Time:		10:00		10:03		10:15		
Sample ID:	ICV		ICV1	CCV	CCV1	CCV	CCV2		
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.07	102.3	2.5	2.50	100.0	2.5	2.54	101.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA49046 Units: ug/l

	Time:		10:30		10:43		10:57		
Sample ID:	CCV		CCV3	CCV	CCV4	CCV	CCV5		
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.54	101.6	2.5	2.56	102.4	2.5	2.50	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA49046 Units: ug/l

	Time:									
Sample ID:	CCV	11:12 CCV6		CCV	11:25 CCV7		CCV	11:40 CCV8		
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec	
Mercury	2.5	2.56	102.4	2.5	2.49	99.6	2.5	2.45	98.0	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA49046 Units: ug/l

Time:		11:46	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec

Mercury 2.5 2.47 98.8

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

File ID: H8072720W1.CSV Date Analyzed: 07/27/20 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA49046 Units: ug/l

Time:			10:06	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec

Mercury 0.20 0.224 112.0

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4

6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD10224R
Account: LBGNJ - WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

QC Batch ID: MP22088
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/27/20

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.20	.021	.095	-0.043	<0.20

Associated samples MP22088: JD10224-1R, JD10224-2R, JD10224-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

QC Batch ID: MP22088
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: ug/l

Prep Date: 07/27/20

Metal	JD10224-1R Original MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.046	1.9	2 92.7	75-125

Associated samples MP22088: JD10224-1R, JD10224-2R, JD10224-3R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2

6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

QC Batch ID: MP22088
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: ug/l

Prep Date: 07/27/20

Metal	JD10224-1R Original MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
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Mercury	0.046	2.0	2	97.7	5.1	20
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Associated samples MP22088: JD10224-1R, JD10224-2R, JD10224-3R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2

6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD10224R
 Account: LBGNJ - WSP USA
 Project: Orchard School Soil Remediation, Ridgewood, NJ

QC Batch ID: MP22088
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: ug/l

Prep Date: 07/27/20

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
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Mercury	2.1	2	105.0	80-120
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Associated samples MP22088: JD10224-1R, JD10224-2R, JD10224-3R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3

6

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JD10224R
Account: LBGNJ WSP USA
Project: Orchard School Soil Remediation, Ridgewood, NJ

Sample: JD10224-1 Analyzed: 20-JUL-20 by BG Method: SM2540 G 18TH ED MOD
ClientID: TS (2)

Wet Weight (Total)	34.16	g
Tare Weight	25.76	g
Dry Weight (Total)	31.7	g
Solids, Percent	70.7	%

Sample: JD10224-2 Analyzed: 20-JUL-20 by BG Method: SM2540 G 18TH ED MOD
ClientID: TS (4)

Wet Weight (Total)	33.32	g
Tare Weight	24.83	g
Dry Weight (Total)	30.96	g
Solids, Percent	72.2	%

Sample: JD10224-3 Analyzed: 20-JUL-20 by BG Method: SM2540 G 18TH ED MOD
ClientID: TS (6)

Wet Weight (Total)	33.82	g
Tare Weight	25.27	g
Dry Weight (Total)	31.82	g
Solids, Percent	76.6	%
