

TRIP REPORT

Klamath Falls Motel Mercury Response

Klamath Falls, Oregon

TASK ORDER No.: 68HE0720F0147

SUBTASK No.: 68HE0720F0147-03



Prepared for:

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue
Seattle, Washington 98101

Prepared by:

Weston Solutions, Inc.
1011 SW Klickitat Way, Suite 212
Seattle, Washington 98134

April 2021

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Seattle, Washington 98134

Prepared by:



Bonnie Criss
START-V SOW Manager

Date: 4/6/2021

Approved by:



Richard Mehl
START-V Emergency Response
Team Leader

Date: 4/6/2021

TABLE OF CONTENTS

1.	PLACE VISITED.....	1
2.	PURPOSE.....	1
3.	PERSONS INVOLVED.....	2
4.	BACKGROUND.....	2
5.	FIELD ACTIVITIES.....	3
5.1	Mobilization and Site Setup.....	3
5.2	Establishment of Action Levels and Clearance Methodology.....	4
5.3	Assessment and Removal Actions.....	5
5.3.1	Initial Assessment.....	5
5.3.1.1	Majestic Inn & Suites, Room 24.....	5
5.3.1.2	Majestic Inn & Suites, Other Spaces.....	6
5.3.1.3	Sky Lakes Medical Center.....	6
5.3.1.4	Klamath Fire District 1 Ambulances.....	6
5.3.2	Removal Actions.....	7
5.3.3	Post Removal Confirmation Clearance Sampling and Actions.....	8
5.4	Item Assessment and Removal Actions.....	9
6.	WASTE GENERATED.....	10
7.	SUMMARY AND CONCLUSIONS.....	10
7.1	Summary of Activities.....	10
7.2	Conclusions.....	11
8.	REFERENCES.....	11

LIST OF TABLES

Table 3-1	Participating Organizations.....	2
Table 5-1	Site Mercury Screening and Action Levels.....	4
Table 5-2	Clearance Air Sampling Results.....	8

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Site Footprint Map

LIST OF ATTACHMENTS

- Attachment A – Photographic Documentation
- Attachment B – FSE Technical Memorandum
- Attachment C – Clearance Data
- Attachment D – Disposed Item Inventory Receipt
- Attachment E – Waste Manifest

1. PLACE VISITED

Site Name:	Klamath Falls Motel Mercury Response
Property Owner:	Rajendra and Deepakbhai Patel
Location:	5543 S 6 th Street, Klamath Falls, Oregon 97603
SSID:	10TF
EPA ID:	ORN001020577
Latitude, Longitude:	42.206934° North, 121.720406° West
Date(s) of Trip:	12/08/2020-12/12/2020

2. PURPOSE

The United States Environmental Protection Agency (USEPA) conducted an emergency response and performed an emergency removal action at the Klamath Falls Motel Mercury Response site (hereafter referred to as the Site) in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. Based on the conditions observed at the emergency response, the Site met the criteria in Section 300.415(b) of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 C.F.R. § 300.415(b) for a removal action. USEPA activated Weston Solutions, Inc. (WESTON[®]), under Superfund Technical Assessment and Response Team (START) Contract No. 68HE0720D0005, Task Order (TO) No. 68HE0720F0147, and Subtask No. 68HE0720F0147-03, to provide technical support and document Site conditions and activities during an emergency response to a mercury spill at a motel in Klamath Falls, Oregon (Figure 1). The response action began on December 8, 2020 and was completed on December 12, 2020. The purpose of the Klamath Falls Motel Mercury Response was to:

- Assess the extent and nature of mercury contamination at the motel, in the ambulance that transported the patient, in the hospital that received the patient, and in the surrounding areas outside the motel room, as directed by USEPA.
- Contain and recover all elemental mercury on the property and remove contaminated property/items.
- Identify and implement treatment methods for contaminated items, where possible.
- Document the decontamination or removal of the impacted surfaces and building materials to a level deemed safe for residential reoccupation.
- Complete clearance sampling.
- Dispose of recovered elemental mercury and contaminated items, as needed.

The Trip Report includes the following attachments associated with the tasks outlined above:

- Attachment A – Photographic Documentation
- Attachment B – FSE Technical Memorandum
- Attachment C – Clearance Data
- Attachment D – Disposed Item Inventory Receipt
- Attachment E – Waste Manifest

3. PERSONS INVOLVED

Table 3-1 Participating Organizations

Agency/Company	Contact Persons/Position	Phone Number
USEPA Region 10 (R10)	Michael Boykin, Federal On-Scene Coordinator (OSC) Eric Nuchims, Federal OSC	(206) 553-6362 (206) 553-6321
Oregon Department of Environmental Quality (ODEQ)	Bryn Thoms	(541) 687-7424
Emergency and Rapid Response Services (ERRS)	Bryan Chernick, Response Manager	(206) 799-3508
START	Bonnie Criss, Project Team Lead	(303) 579-0464

4. BACKGROUND

On November 22, 2020, USEPA R10 was notified by the ODEQ that an individual in Klamath Falls, Oregon, had been hospitalized due to acute mercury exposure. An adult female initially checked into the Majestic Inn & Suites Motel (Figure 2) before being taken to Sky Lakes Medical Center in an ambulance with symptoms related to mercury poisoning. ODEQ advised the owner of the motel to keep the room secured and to not allow anyone to enter until appropriate assessment and cleanup was completed.

On November 30, 2020, First Strike Environmental (FSE) performed an assessment of the impacts to the motel and observed beads of mercury on the carpet in the motel room (Room 24), and a small jar of mercury on the dresser in the room. A technical memorandum (Attachment B) provided to EPA on March 18, 2021 details FSE’s observations including photos of the mercury beads and the mercury container. FSE provided a quote for the cleanup; however, the property owner chose not to contract them and, instead, hired Munitor Construction, a local, general construction company. The property owner informed USEPA that their contractor cut out and

removed a small section of carpet in the middle of Room 24 and removed and disposed of the bedding. Additionally, Munitor Construction reportedly vacuumed the room with a mercury vacuum.

Initial records did not indicate the volume of mercury released; however, based on the FSE technical memorandum, up to 2 oz ounces of mercury may have been released. Initial reports stated that Sky Lakes Medical Center did not request any assistance and the ambulance owner was unknown at the time.

The ODEQ formally requested USEPA's assistance with the response and cleanup efforts on December 8, 2020. On December 9, 2020, two USEPA OSCs from Seattle, Washington, deployed to assist with the initial assessment of the contaminated Site.

The source location, Majestic Inn & Suites Room 24, was the room where the admitted adult female resided prior to being taken to the Sky Lakes Medical Center. In addition to the source location, there was the potential for contamination to be present in the Klamath Fire District 1 ambulance that transported the patient and in the Sky Lakes Medical Center Emergency Department.

5. FIELD ACTIVITIES

5.1 MOBILIZATION AND SITE SETUP

Two USEPA OSCs and three START personnel mobilized to the Site on December 9, 2020, from Seattle, Washington and Portland, Oregon, to conduct initial reconnaissance of the Majestic Inn & Suites motel, the Klamath Fire District 1 ambulance, and the Sky Lakes Medical Center Emergency Department. START brought with them from Seattle: the USEPA R10 Mobile Command Post and a 20-foot trailer containing decontamination materials, a Jerome J505 Mercury Vapor Analyzer (Jerome) and two Lumex 915+ Mercury Vapor Analyzers (Lumex), sampling supplies, and a mercury vacuum. The trailer was staged in the motel parking lot for the duration of Site activities.

Following the initial reconnaissance, ERRS was mobilized on December 10, 2020, supplying a 20-yard roll-off container for disposal purposes. A small, covered staging area was set up outside and immediately adjacent to Room 24 of the motel to protect the furniture items that were removed while remediation activities took place. The roll-off container was placed adjacent to the room's

entrance and the staging area for ease of removal and transport of contaminated materials. Plastic sheeting was placed on walkways between the staging area and the roll-off container to prevent the spread of contamination.

5.2 ESTABLISHMENT OF ACTION LEVELS AND CLEARANCE METHODOLOGY

USEPA utilized the *USEPA National Elemental Mercury Response Guidebook* (USEPA, 2019) for guidance regarding all Site activities including screening, removal, and clearance procedures. The screening and action levels established in the 2012 USEPA/Agency for Toxic Substances and Disease Registry (ATSDR, 2012) mercury guidelines (Table 5-1) were used for mercury assessments inside the motel, at the hospital, in the ambulance, for furniture items on the Site, and for guided removal actions, where applicable. The motel’s manager informed USEPA that occupants of the rooms were generally locals residing there on a long-term basis, with a few transient guests. As such, USEPA determined the residential action level of 1,000 nanograms per cubic meter (ng/m³) would be an appropriate action level for Room 24.

Table 5-1 Site Mercury Screening and Action Levels

Screening and action levels for ambient air at adult/child breathing zones	
Reading (ng/m ³) ambient air	Action
< 1,000	Acceptable level for normal occupancy for most sensitive persons. No further response action needed.
Screening and action levels for vehicles	
Reading (ng/m ³) ambient air	Action
< 6,000	Acceptable level for normal occupancy for most sensitive persons. No further response action needed.
Screening and action levels for commercial areas	
Reading (ng/m ³) ambient air	Action
< 3,000	Acceptable level for normal occupancy for most sensitive persons. No further response action needed.
Screening and action levels for personal items*	
Reading (ng/m ³)	Action
3,000 to 6,000	No further action needed, and item can be returned for unrestricted use.
6,000 to 10,000	Item may be decontaminated (thermal treatment, mercury wipes, etc.) and, if decontamination is successful, may be returned for unrestricted use.
>10,000	Item to be disposed of properly, item decontamination will likely be ineffective.

*Assessment done via headspace measurements performed in sealed bags after passive heating and equilibration to temperatures > 75 °F.

5.3 ASSESSMENT AND REMOVAL ACTIONS

Three main locations were identified as potentially contaminated areas: The Majestic Inn & Suites motel, Sky Lakes Medical Center Emergency Department, and the ambulances used by the Klamath Fire District 1- Station 3. USEPA coordinated with all three locations for permission to access the spaces prior to all assessments.

5.3.1 Initial Assessment

5.3.1.1 *Majestic Inn & Suites, Room 24*

On December 10, 2020, USEPA and START arrived at the Majestic Inn & Suites motel to assess the room and surrounding area for contamination. Since the initial cleanup effort by the property owner's contractor, the room had remained with the heat off and was sealed at the direction of ODEQ. The initial reading taken just inside the entrance through the cracked door was 170 ng/m³; however, the temperature in the room was below 50 °F and was too cold to complete an accurate assessment. The heat on the Packaged Terminal Air Conditioner (PTAC) unit in the room was turned on and time was allowed for the room to heat up to an appropriate temperature.

Later that day, START was able to complete a detailed assessment of the room. At the time of the assessment, the ambient temperature of the room was 65-70 °F with the floor being approximately 10 to 15 degrees colder than the ambient temperature. The floor was assessed using a Lumex with a headspace cone attachment. Elevated concentrations were found across the entire floor with the highest concentration of 6,918 ng/m³ observed where the property owner's contractor had previously removed the section of carpet near the center of the room. Other areas with elevated concentrations were identified along the major foot traffic pathways used to access the bathroom and the entrance to the room. Following the initial assessment, additional standing heaters were placed in the room to continue to heat the space.

Considering the temperature of the room during the initial assessment, the maximum concentration detected was indicative of the presence of elemental mercury still in the room. As such, USEPA determined that the remaining carpet would require removal to clear the room for re-occupation and that ERRS would mobilize to the Site the following day.

5.3.1.2 *Majestic Inn & Suites, Other Spaces*

On December 11, 2020, additional areas of the motel were assessed by START and compared to the USEPA/ATSDR Mercury Action Levels to confirm contamination was not present elsewhere on the Site. A vacuum used by the motel cleaning staff to service rooms was identified by START as having readings above the Action Level for potential decontamination of personal items (10,000 ng/m³). The currently vacant Rooms 11 and 23, which had been serviced using the vacuum since the initial spill, were assessed by START. The rooms were evaluated with a Lumex and all readings were near or at background concentration levels for both the ambient air and along the floor.

The guest and motel laundry rooms were also assessed by START. The ambient air concentrations in both laundry areas were at background concentration levels. The washers, dryers and sinks in each space were assessed. A maximum concentration of 100 ng/m³ was identified in the motel dryer, with the remaining appliances at or near background concentration levels.

5.3.1.3 *Sky Lakes Medical Center*

The contaminated individual was admitted to Room 9, 1W-153 of the emergency department at Sky Lakes Medical Center. On December 10, 2020, OSC Boykin and START mobilized to Sky Lakes Medical Center to assess Room 9. The emergency department director informed USEPA that following the patient's admission, their clothing was promptly removed and disposed of. After the patient was discharged, the hospital cleaned and sterilized the room according to their standard procedures.

Room 9 was assessed by START with a Lumex using a headspace cone attachment to measure headspace concentrations of specific surfaces. The ambient concentration detected in the room was at background concentration levels, indicating no residual mercury remained. OSC Boykin notified the hospital staff of the findings and the room was released for regular use.

5.3.1.4 *Klamath Fire District 1 Ambulances*

Ambulance #3171 and #3172 were both potentially impacted with mercury during the transport of the individual from the motel to the Sky Lakes Medical Center. On December 10, 2020, OSC Nuchims and START mobilized to Klamath Fire District 1 – Station 3 to assess both ambulances.

Before the assessment, neither ambulance had been removed from service and both had undergone several rounds of cleaning by the fire district, according to their COVID-19 cleaning standards.

The assessment was conducted with a Lumex using a headspace cone attachment to measure headspace concentrations on specific surfaces. All potentially impacted surfaces, including areas where beads may have become trapped, were assessed along with the individual storage compartments of the ambulances. The maximum concentration detected was 65 ng/m³ in a compartment of Ambulance #3171, and other locations in both ambulances averaged between 20 and 30 ng/m³. At the time of measurement, the average temperatures of Ambulances #3171 and #3172 was 73 °F and 63 °F, respectively. After the assessment, as concentrations were near background, OSC Nuchims informed the fire chief that both ambulances were safe for regular use.

5.3.2 Removal Actions

Following the initial investigation, Room 24 was determined to be the only area that would require a removal action. ERRS arrived at the Site on December 11, 2020, to conduct the removal efforts. All furniture items in Room 24 were assessed for contamination and staged outside (see Section 5.4). ERRS carefully removed and bagged the remaining carpet and padding in individual sections. The carpet and padding had been applied directly to the concrete slab beneath it when built. Once the carpet was completely removed, ERRS used a mercury vacuum to remove any remaining debris.

HgCs-102 mercury decontamination solution was applied to the concrete and the bathroom floor in Room 24 in accordance with the manufacturer's instructions. All smooth surfaces, including furniture items, appliances, the exterior of the PTAC unit, the bathroom sink, and the mirror, were wiped down with mercury decontamination wipes.

Following the removal actions, the room was sealed and the PTAC unit heater was turned on, as were three small heaters, to bring the space back up to the proper monitoring temperature. Once the room was > 70 °F and was able to equilibrate, START conducted a final assessment of the floor with a Lumex and a headspace cone attachment. The concentrations detected on the floor surface throughout the room averaged below 1,000 ng/m³ with a maximum reading of 2,081 ng/m³ at the initial spill location. All areas exceeding 1,000 ng/m³ were given a final treatment with the HgCs-102 solution, and the room was sealed in preparation for clearance sampling.

5.3.3 Post Removal Confirmation Clearance Sampling and Actions

The guidance outlined in *USEPA National Elemental Mercury Response Guidebook* (USEPA, 2019) was utilized and followed for all clearance activities.

Three air samples were collected overnight following National Institute of Occupational Safety and Health (NIOSH) Method 6009. Samples were collected using SKC PCXR8 sampling pumps with SKC 226-17-1A, Anasorb C300 media. USEPA selected two locations for air sampling, in the main area and in the bathroom of Room 24. A third, duplicate sample was collected in the main room for a total of three samples. Samples were collected at a height of approximately 5 feet to represent the standard adult breathing zone. ERRS placed all furniture items back in the room prior to clearance sample collection. The room was sealed and allowed to equilibrate to a temperature of 75 °F or greater on all surfaces. Once sampling began, only the PTAC unit heater was used to maintain the ambient room temperature.

The samples were run overnight on December 11, 2020, for a duration of 8 hours and were collected the following morning. The ambient concentration of the room was measured with a calibrated Lumex with an R% of ≤25% when the samples were deployed and when they were collected. The ambient concentration in the room was 627 ng/m³ at the time of deployment and 609 ng/m³ at the time of collection the following morning.

On December 13, 2020, the samples were shipped to Eurofins Test America – Phoenix for analysis according to NIOSH Method 6009. The mercury concentrations of all three air samples (including one duplicate) collected from Room 24, were below the USEPA/ATSDR Mercury Action Level for Ambient Air (Adult/Child Breathing Zones) of 1,000 ng/m³. The analytical laboratory results are included in Attachment C. The clearance air sampling results are summarized in Table 5-2.

Table 5-2 Clearance Air Sampling Results

Sample Number	Sample Location	Concentration (ng/m ³)	Qualifier
20120001	Main Area	559	J
20120002	Main Area Duplicate	ND	UJ
20120003	Bathroom	621	

ND Not detected

ng/m³ nanograms per cubic meter

J The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control (QC) criteria limits were not met.

UJ The material was analyzed for the analyte, but it was not detected. The reported detection limit is estimated because QC criteria were not met.

A Stage 2A Data Validation was performed on the analytical data for five air samples (which included one duplicate and two trip blanks) collected in Room 24. It was determined that there were no rejections of data, although the data for sample 20120002 was considered suspect due to the poor precision in results. Overall, the data for the remaining samples was acceptable for the intended purposes as qualified. The Data Validation Report is included in Attachment C.

On December 18, 2020, OSC Boykin notified the property owner that the sample results and ambient measurements with the Lumex were below the USEPA/ATSDR Mercury Action Level for Ambient Air (Adult/Child Breathing Zones) of 1,000 ng/m³ and the room was cleared for reoccupation.

5.4 ITEM ASSESSMENT AND REMOVAL ACTIONS

As the main spill occurred inside a motel room, the items requiring assessment and decontamination included motel furniture, bedding, soft goods, and expendable items stocked in the room. No personal items of the individual involved in the spill remained in the room when USEPA arrived.

START conducted a screening of the furniture items in Room 24 during the initial assessment using a Lumex with headspace cone attachment to evaluate the surfaces for contamination. Elevated concentrations were detected on the mattress and box springs. Concentrations on other surfaces were near the ambient levels in the room and could not be attributed to the surfaces themselves.

The furniture items in the room were moved and placed outside in a covered staging area adjacent to the room. START conducted additional screening of the furniture items as they were removed from the room but did not identify additional pieces of furniture impacted by mercury above applicable action levels. Once outside the room, ERRS wiped down all hard furniture items with mercury decontamination wipes to remove any residual surface impacts that may have been caused by vapors.

In addition to the carpeting, soft goods, including the mattress, box springs, curtains, bedding, and towels, were determined to have been impacted by ambient vapors while inside the room. Smaller items were bagged and heated to be further assessed. Items with elevated concentrations, including the carpeting, mattress and box springs, were removed and placed in the roll-off container for

disposal. No decontamination treatment of the soft goods was attempted. Additionally, the household vacuum used by the motel cleaning staff was determined to contain elemental mercury and was placed in the roll-off container for disposal. All items identified for disposal were documented by START. A Disposal Item Inventory Receipt (Attachment D) was generated and supplied to the property owner.

6. WASTE GENERATED

ERRS arranged for the delivery of a 40-cubic-yard roll-off container for disposal of the contaminated items, and investigation derived waste generated by USEPA, START, and ERRS. The roll-off container was lined with plastic sheeting to prevent contamination of the container and further release of mercury during transport. The roll-off container was removed from the Site on December 21, 2020, and transported to Chemical Waste Management of the Northwest, in Arlington, Oregon, for disposal. It was manifested as UN 3077 Environmentally Hazardous Substance, Solid, NOS, (Mercury) 9. A detailed inventory of all items disposed of in the roll-off container is provided in Attachment D. The waste manifest is provided in Attachment E.

7. SUMMARY AND CONCLUSIONS

7.1 SUMMARY OF ACTIVITIES

USEPA conducted an emergency removal action at a motel located in Klamath Falls, Oregon, from December 09 to December 12, 2020. The Majestic Inn & Suites Motel, Klamath Fire District 1 Ambulances #3171 and #3172, and Sky Lakes Medical Center Emergency Department were assessed for mercury contamination during the response. Room 24 of the motel was the only location identified to require a removal action. The carpet, mattress, box springs, vacuum, and several soft goods from the room were removed and properly disposed of. HgCs-102 mercury decontamination solution was used on the floor surfaces of the room and bathroom after the carpet removal.

After the removal and decontamination actions, confirmation clearance sampling, following NIOSH Method 6009, was conducted overnight in Room 24 on December 11, 2020. The sampling results and monitoring instrumentation confirmed the average ambient air mercury concentration was below the Action Level of 1,000 ng/m³. On December 18, 2020, the owner of the Majestic Inn & Suites Motel was notified that the room was safe for reoccupation. USEPA, ERRS, and

START demobilized from the Site on December 12, 2020, and all USEPA resources were returned to Seattle on December 13, 2020.

7.2 CONCLUSIONS

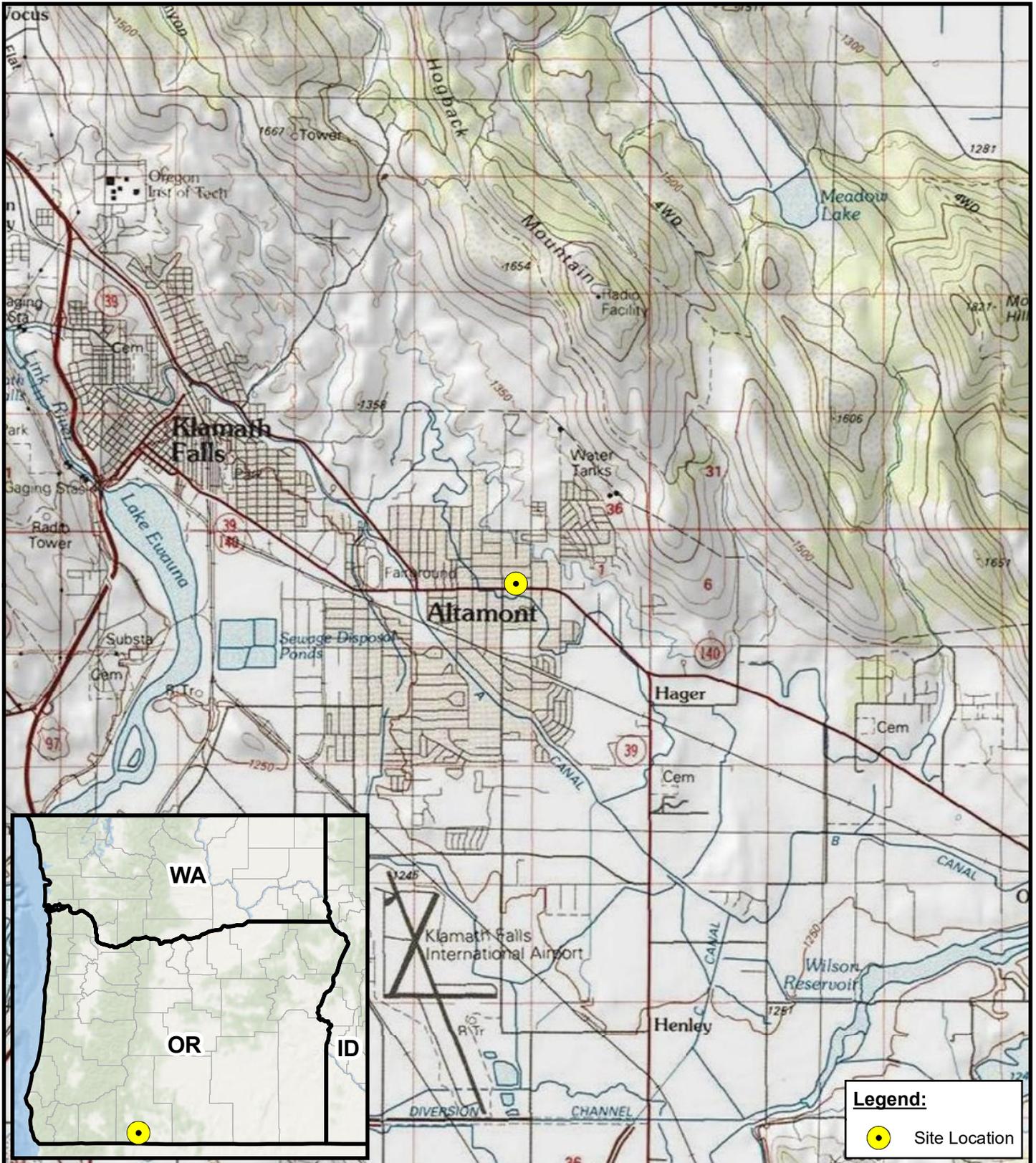
USEPA completed an emergency removal action to address an elemental mercury release at the Majestic Inn & Suites motel in Klamath Falls, Oregon. The motel was assessed for contamination with subsequent disposal of the contaminated items followed by decontamination. All areas of contamination discovered were properly addressed and were determined to require no further removal actions based on residential clearance sampling. The mercury container seen in the FSE technical memorandum (Attachment B) was not found by the EPA on the site or other locations. The disposition of the container and residual mercury remains unknown at this time. Field activities were concluded on December 12, 2020, and no further actions are anticipated at this time.

8. REFERENCES

- Agency for Toxic Substances and Disease Registry (ATSDR), 2012. *Chemical-Specific Health Consultation for Joint USEPA/ATSDR National Mercury Cleanup Workgroup Action Levels for Elemental Mercury Spills*, prepared by Division of Toxicology and Environmental Medicine Prevention, Response and Medical Support Branch Emergency Response Team. March 12, 2012.
- United States Environmental Protection Agency (USEPA), 2019. *USEPA National Elemental Mercury Response Guidebook*, prepared by the USEPA National Mercury Workgroup. March 2019.

FIGURES

Path: C:\Users\epplek\Desktop\Klamath Mercury\Maps\Fig1 Site Location map.mxd



Legend:

-  Site Location

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984

Source:
 Background: ESRI USA Topo Maps (2020)
 Inset: ESRI World Ocean Base Maps (2020)



Prepared for:
 USEPA - Region 10



TO No./Subtask No.:
 68HE0720F0147/03

Prepared By:
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FIGURE 1
SITE LOCATION MAP
KLAMATH FALLS MOTEL
MERCURY RESPONSE
KLAMATH FALLS, KLAMATH COUNTY, OR

Date: 1/27/2021



S. 6th St

Legend:

-  Majestic Hotel
-  Room 24 Approximate Location

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984

Source:
 Site Boundary: Georeferenced Aerial (ESRI World Imagery 2021)
 Background: ESRI World Imagery (2021)

0 50 100 200 Feet



Prepared for:
 USEPA - Region 10



TO No./Subtask No.:
 68HE0720F0147/03

Prepared By:
 Weston Solutions, Inc.
 START V
 Suite 212
 1011 SW Klickitat Way
 Seattle, WA



**FIGURE 2
 SITE FOOTPRINT MAP
 KLAMATH FALLS MOTEL
 MERCURY RESPONSE
 KLAMATH FALLS, KLAMATH COUNTY, OR**

Date: 1/27/2021

ATTACHMENT A
PHOTOGRAPHIC DOCUMENTATION

Project Name: Klamath Falls Motel Mercury Response	Site Location: Klamath Falls, OR	Project No. 68HE0720F0147-03
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Photo No. 1	Date: 12/10/2020
Photo Coordinates	
Direction Photo Taken: Down	
Description: Section of carpet removed previously by the property owner's contractor, prior to EPA's arrival at the Site.	



Photo No. 2	Date: 12/10/2020
Photo Coordinates	
Direction Photo Taken: Southwest	
Description: START assessing the carpet in Room 24 using a Lumex with a headspace cone attachment. Modified level D PPE was deemed appropriate according to the site health and safety plan for the assessment task pictured.	



Project Name: Klamath Falls Motel Mercury Response	Site Location: Klamath Falls, OR	Project No. 68HE0720F0147-03
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Photo No. 3	Date: 12/10/2020
Photo Coordinates	
Direction Photo Taken: Southwest	
Description: START removing the curtains from Room 24 for assessment. Modified level D PPE was deemed appropriate according to the site health and safety plan for the assessment task pictured.	



Photo No. 4	Date: 12/10/2020
Photo Coordinates	
Direction Photo Taken: North	
Description: The hospital room where the contaminated person was admitted. Elevated levels of mercury were not observed in the room during the assessment.	



Project Name: Klamath Falls Motel Mercury Response	Site Location: Klamath Falls, OR	Project No. 68HE0720F0147-03
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Photo No. 5	Date: 12/11/2020
Photo Coordinates	
Direction Photo Taken: Southeast	
Description: ERRS removing all furniture from Room 24 and placing it in the temporary staging area.	



Photo No. 6	Date: 12/11/2020
Photo Coordinates	
Direction Photo Taken: Northeast	
Description: ERRS removing and bagging the carpet in Room 24 for disposal.	



Project Name: Klamath Falls Motel Mercury Response	Site Location: Klamath Falls, OR	Project No. 68HE0720F0147-03
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Photo No. 7	Date: 12/11/2020
Photo Coordinates	
Direction Photo Taken: South	
Description: ERRS moving items identified for disposal into a roll-off container for removal from the Site.	



Photo No. 8	Date: 12/11/2020
Photo Coordinates	
Direction Photo Taken: Northeast	
Description: ERRS treating the floor of Room 24 with HgCs-102 mercury decontamination solution.	



Project Name: Klamath Falls Motel Mercury Response	Site Location: Klamath Falls, OR	Project No. 68HE0720F0147-03
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Photo No. 9	Date: 12/1/2020
Photo Coordinates	
Direction Photo Taken: Down	
Description: Photo of the Mercury container.	



ATTACHMENT B
FSE TECHNICAL MEMORANDUM



**24-HOUR
EMERGENCY
RESPONSE
SERVICE**

(800) 447-3558

FSE Provides
Incident Response &
Emergency Response Services
throughout:

**OREGON
WASHINGTON
IDAHO
NO. CALIFORNIA**

**CORPORATE and
ADMINISTRATIVE
OFFICE**

256 Quarry Road
Roseburg, OR 97470-9453
Phone: (541) 673-9892
Fax: (541) 673-1739

WEBSITE
www.FSEco.com

EMAIL Email@FSEco.com

March 18, 2021

US EPA Region 10
ATT: Michael Boykin
1200 Sixth Avenue
Suite 155, Mailstep 13-J07
Seattle, WA 98101

**Re: Majestic Inn and Suites ~ 11/21/20 Mercury Spill/Release
5543 South 6th Unit 24 Street Klamath Falls, Oregon 97601
FSE Project No. 20-11-31**

Dear Mr. Boykin,

Enclosed is First Strike Environmental's (FSE) Photo Report for work completed on the 11/21/20 Mercury Spill/Release involving Majestic Inn and Suites that occurred at 5543 South 6th Street Klamath Falls, Oregon 97601.

First Strike Environmental was contacted on 11/30/20 by Raj Patel, owner of Majestic Inn and Suites, and was asked to respond for emergency response and site assessment activities for a Mercury Spill/Release at Majestic Inn and Suites. First Strike Environmental arrived on site on 12/01/20 and assessed Unit 24. FSE observed liquid Mercury droplets had impacted the carpet flooring in three areas as well as a container of liquid Mercury on the dresser inside Unit 24. FSE collected photo documentation and notified Raj Patel, owner of Majestic Inn and Suites and Oregon Department of Environmental Quality State On-Scene Coordinator Jamie Collins of Phase II Remediation Activities for the Mercury Spill/Release and waited for approval to proceed. FSE demobilized from site on 12/02/20.

FSE left impacted Unit 24 as it was found and did not perform any remediation activities per direction of Mr. Raj Patel.

If you have any questions, please contact our office at (800) 447-3558.

Sincerely,

Trevor Krueger /s/

Trevor Krueger
Project Manager
FIRST STRIKE ENVIRONMENTAL CO.

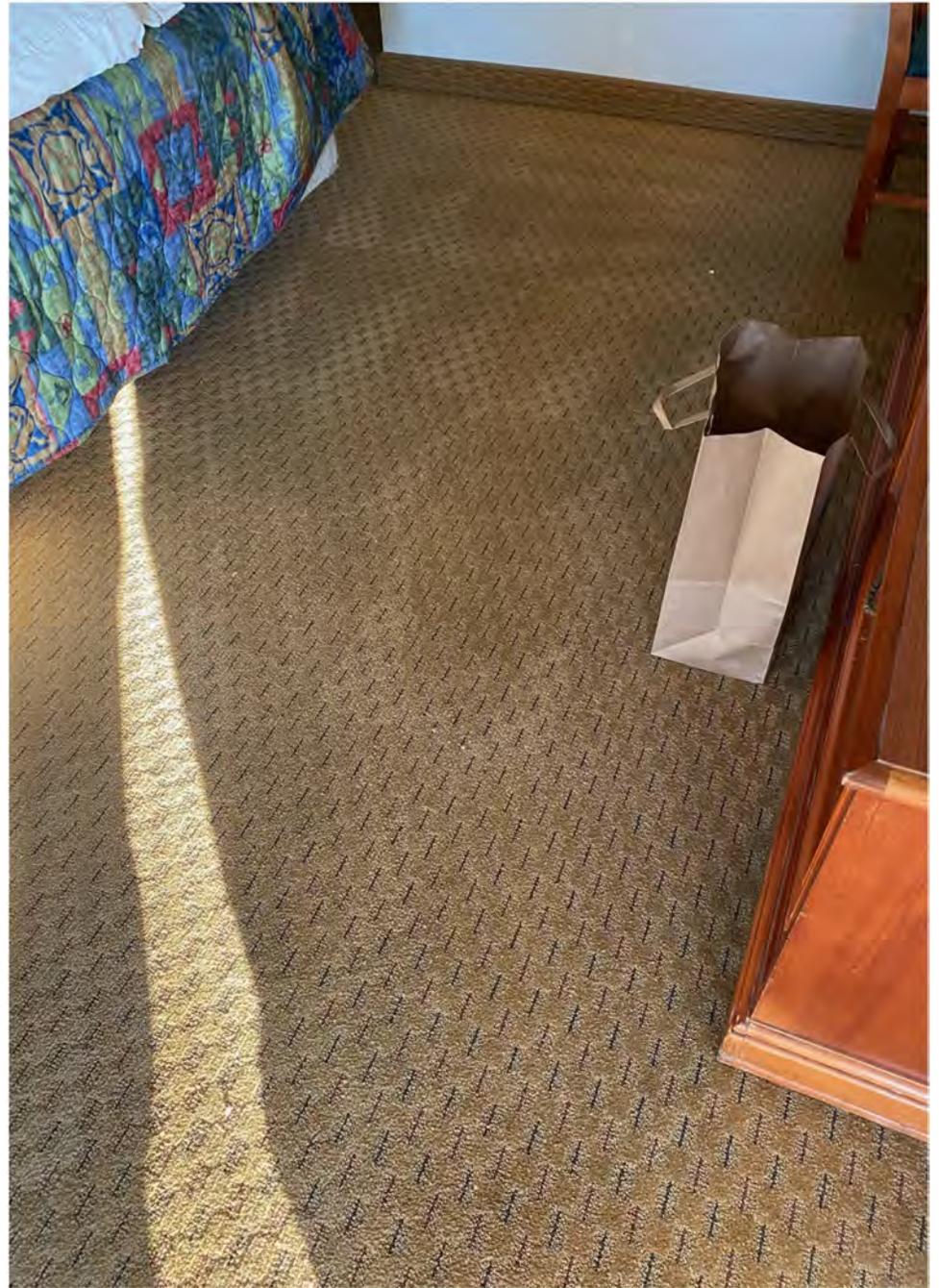
Enclosures

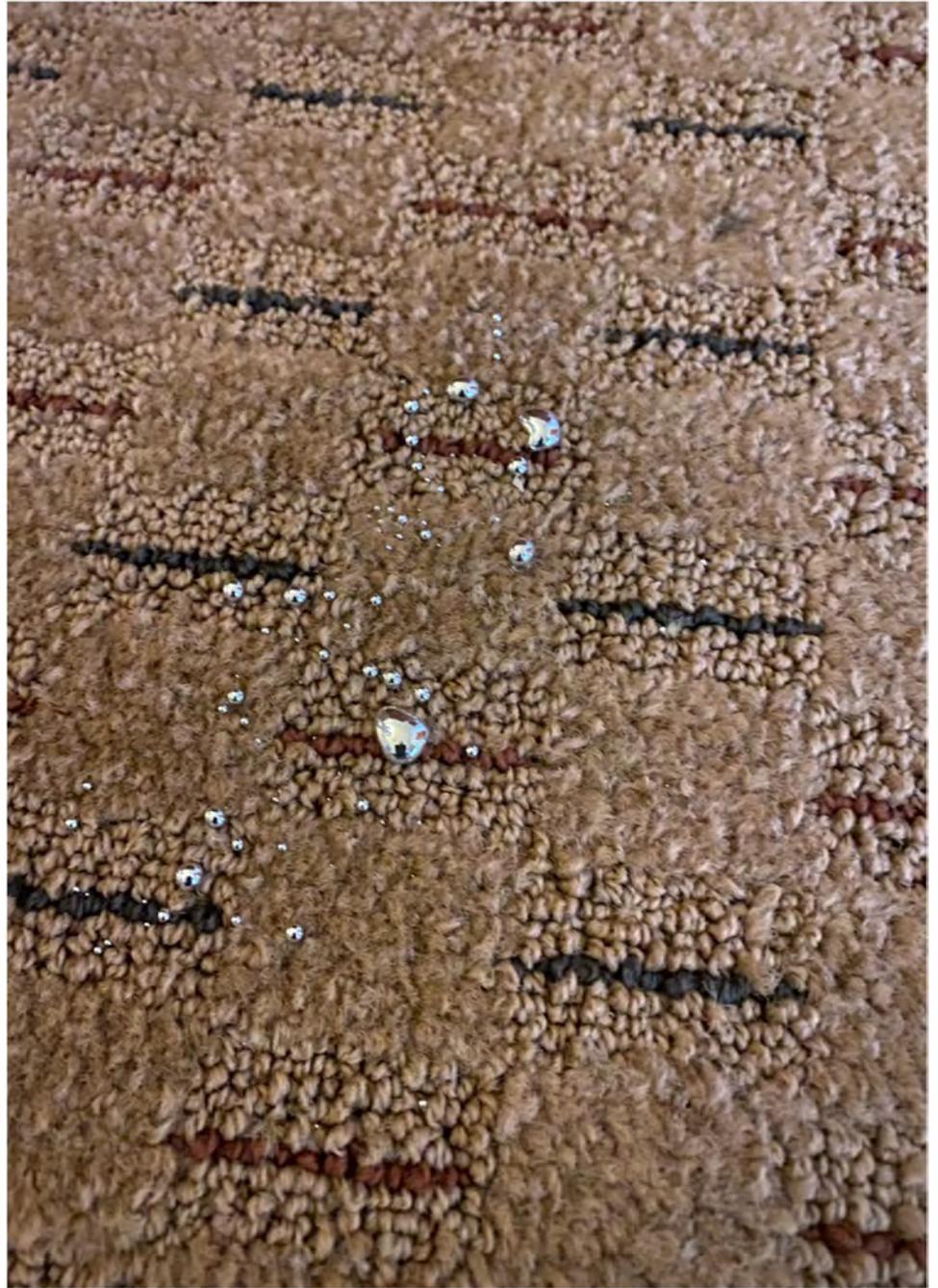
TK/lt











**ATTACHMENT C
CLEARANCE DATA**

DATA VALIDATION REPORT



Weston Solutions, Inc.
1400 Weston Way
West Chester, PA 19380
610-701-3000 • Fax 610-701-3739
www.westonsolutions.com

Site: Klamath Falls Motel Mercury Response (Klamath Falls, Oregon)
Laboratory: Eurofins TestAmerica, Phoenix, Arizona
SDG: 550-154731-1
Analysis: Mercury
Validated by: Linda Adams, Weston Solutions, Inc. (WESTON)
Review Date: December 18, 2020

Client Sample ID	Lab Sample ID	Sample Type	Collection Date
20120001	550-154731-1	Sample	12/12/2020
20120002	550-154731-2	Field Duplicate of 20120001	12/12/2020
20120003	550-154731-3	Sample	12/12/2020
20120004	550-154731-4	Trip Blank	12/12/2020
20120005	550-154731-5	Trip Blank	12/12/2020

A Stage 2A Data Validation was performed on the analytical data for five air samples collected on December 12, 2020 by Weston Solutions, Inc. (WESTON) at the Klamath Falls Motel Mercury Response Site in Klamath Falls, Oregon. Air samples were analyzed for mercury in accordance with the *National Institute for Occupational Safety and Health (NIOSH) Manual of Analytical methods (NMAM)*, 4th Edition, August 1994, Method 6009 (Mercury).

The data have been validated according to the protocols and quality control (QC) requirements of the following:

- *Draft Sampling and Analysis Plan, Klamath Falls Motel Mercury Response, Klamath Falls, Oregon, Task Order 68HE0720F0147, Subtask 68HE0720F0147-03, Dec 2020.*
- USEPA Region 10 Emergency Management Program Standard Operating Procedure (SOP), *Analytical Data Validation*, 144G, Nov. 2015
- USEPA *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*, EPA 540-R-08-005, Jan2009
- USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Inorganic Methods Data Review*, January 2017;
- NIOSH Method 6009; and
- the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

- ✓ Data Completeness
- ✓ Cover letter, Narrative, and Data Reporting Forms
- ✓ Chains-of-Custody Review
- ✓ Holding times

DATA VALIDATION REPORT

- ✓ Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- ✓ Method and Trip Blank
- ✓ Compound Quantitation
- ✓ Field Duplicate Sample Precision

Overall Evaluation of Data and Potential Issues

There were no rejections of data. Data for sample 20120002 was considered suspect as noted under Field Duplicate Sample Precision section.

Overall the data for the remaining samples are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Cover letter, Narrative, and Data Reporting Forms

The following issue was noted in the review of the data reporting forms:

- At WESTONs request the laboratory was asked to verify the original data report as the field duplicate samples did not yield acceptable precision results. The laboratory noted in the case narrative that “Samples were originally run in Analysis Batch (AB) 228188. Samples were in incorrect order on autosampler than what was scanned in for the sequence. Samples were reanalyzed in AB 228440. Re-analysis results are reported. 20120001 (550-154731-1), 20120002 (550-154731-2), 20120003 (550-154731-3), 20120004 (550-154731-4) and 20120005 (550-154731-5).”

Results were reported from the re-analysis. It should be noted that the field duplicate samples did not meet precision in the re-analysis or in the original report.

Chain-of-Custody Review

All criteria were met.

Holding Times

All samples were analyzed within the holding criteria.

Laboratory Control Sample/Duplicate (LCS/LCSD) Recoveries

The LCS and LCSD samples exhibited acceptable percent recovery and relative percent difference values.

Method and Trip Blanks

The method blanks and trip blanks were free of contamination.

DATA VALIDATION REPORT

Compound Quantitation

All samples were analyzed undiluted.

Field Duplicate Sample Precision

One field duplicate pair was included with this SDG. Samples 20120001 and 20120002 were submitted as the field duplicate pair.

Field duplicate results precision were qualified as indicated below.

Compound	20120001 $\mu\text{g}/\text{m}^3$	20120002 $\mu\text{g}/\text{m}^3$	RPD	Qualifier
Mercury	0.559	ND	NC	J/UJ

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

RPD = Relative percent difference

ND = Not detected

NC = Not calculable

J = Estimate the detected result

UJ = Estimated the non-detected result

The data for sample 2012002 is considered suspect due to the poor precision in field duplicate results and also since the field readings on the Lumex were approximately $600 \mu\text{g}/\text{m}^3$ and do not seem representative of the concentration in the air samples. See Appendix for field sample results.

Appendix 1 Field Results

Field Results

The following field results were collected before and after air samples were deployed and collected for the Klamath Falls Motel Mercury Response. Results were collected from the ambient air at a height of 5 feet using a calibrated Lumex 915+ Mercury vapor analyzer.

Field Results				
Date	Time	Screening Location	Concentration (ng/m³)	Average Temperature (°F)
12/11/20	17:15	AS01	596	70
12/11/20	17:15	AS02	591	70
12/11/20	17:30	AS01	627	70
12/12/20	7:40	Room Entrance	608	80
12/12/20	7:40	AS01	609	80
12/12/20	7:40	AS02	599	78

ANALYTICAL REPORT

Job Number: 550-154731-1

SDG Number: 10-121420-133548-0001

Job Description: 10TF/Klamath Falls Motel Mercury

For:

Weston Solutions, Inc.
13702 Coursey Blvd.
Building 7, Suite A
Baton Rouge, LA 70817
Attention: Mr. Jeff Wright



Approved for release.
Carlene McCutcheon
Project Manager II
12/18/2020 2:07 PM

Carlene McCutcheon, Project Manager II
4625 East Cotton Ctr Blvd, Phoenix, AZ, 85040
(602)659-7612
Carlene.McCutcheon@Eurofinset.com
12/18/2020
Revision: 1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Title Page	1
Data Summaries	4
Definitions	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	7
QC Association	8
Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Reagent Traceability	13
COAs	14
Inorganic Sample Data	17
Metals Data	17
Met Cover Page	18
Met Sample Data	19
Met QC Data	24
Met ICV/CCV	24
Met Blanks	25
Met LCS/LCSD	27
Met MDL	29
Met Preparation Log	31
Met Analysis Run Log	32
Met Prep Data	33
Met Raw Data	34

Table of Contents

Shipping and Receiving Documents	44
Client Chain of Custody	45
Sample Receipt Checklist	46

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

**Job Narrative
550-154731-1**

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 12/16/2020.

Receipt

The samples were received on 12/15/2020 10:30 AM; the samples arrived in good condition.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

IH - Metals

Method 6009: The Method Blank, Field Blank (or other QC results) were not used to correct client sample results associated with preparation batch 550-228153 and analytical batch 550-228188.

Method 6009: The Method Blank, Field Blank (or other QC results) were not used to correct client sample results associated with preparation batch 550-228153 and analytical batch 550-228440.

Method 6009: Samples were originally run in AB 228188. Samples were in incorrect order on autosampler than what was scanned in for the sequence. Samples were reanalyzed in AB 228440. Re-analysis results are reported. 20120001 (550-154731-1), 20120002 (550-154731-2), 20120003 (550-154731-3), 20120004 (550-154731-4) and 20120005 (550-154731-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

The report (revision 1) 12/17/20:is being revised due to: client request. Method 6009: Samples were originally run in AB 228188. Samples were in incorrect order on autosampler than what was scanned in for the sequence. Samples were reanalyzed in AB 228440. Re-analysis results are reported. 20120001 (550-154731-1), 20120002 (550-154731-2), 20120003 (550-154731-3), 20120004 (550-154731-4) and 20120005 (550-154731-5).

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Client Sample ID: 20120001

Lab Sample ID: 550-154731-1

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Sample Air Volume: 66.29 L

Sample Container: IH - Anasorb C300, 200 mg

Method: PE-MET-013 - NIOSH 6009

Analyte	Result ug/Sample	Result mg/m3	Result ug/m3	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Mercury	0.0370	0.000559	0.559		0.00840	12/15/20 13:30	12/17/20 17:31	1

Client Sample ID: 20120002

Lab Sample ID: 550-154731-2

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Sample Air Volume: 52.13 L

Sample Container: IH - Anasorb C300, 200 mg

Method: PE-MET-013 - NIOSH 6009

Analyte	Result ug/Sample	Result mg/m3	Result ug/m3	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Mercury	<0.00840	<0.000161	<0.161		0.00840	12/15/20 13:30	12/17/20 17:33	1

Client Sample ID: 20120003

Lab Sample ID: 550-154731-3

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Sample Air Volume: 59.33 L

Sample Container: IH - Anasorb C300, 200 mg

Method: PE-MET-013 - NIOSH 6009

Analyte	Result ug/Sample	Result mg/m3	Result ug/m3	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Mercury	0.0368	0.000621	0.621		0.00840	12/15/20 13:30	12/17/20 17:34	1

Client Sample ID: 20120004

Lab Sample ID: 550-154731-4

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Sample Air Volume: 0 L

Sample Container: IH - Anasorb C300, 200 mg

Method: PE-MET-013 - NIOSH 6009

Analyte	Result ug/Sample	Result	Result	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Mercury	<0.00840				0.00840	12/15/20 13:30	12/17/20 17:36	1

Client Sample ID: 20120005

Lab Sample ID: 550-154731-5

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Sample Air Volume: 0 L

Sample Container: IH - Anasorb C300, 200 mg

Method: PE-MET-013 - NIOSH 6009

Analyte	Result ug/Sample	Result	Result	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Mercury	<0.00840				0.00840	12/15/20 13:30	12/17/20 17:38	1

QC Sample Results

Client: Weston Solutions, Inc.
 Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
 SDG: 10-121420-133548-0001

Method: PE-MET-013 - NIOSH 6009

Lab Sample ID: MB 550-228153/12-A
Matrix: Air
Analysis Batch: 228440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 228153

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00840		0.00840	ug/Sample		12/15/20 13:30	12/17/20 17:24	1

Lab Sample ID: LCS 550-228153/13-A
Matrix: Air
Analysis Batch: 228440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228153
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.250	0.1942		ug/Sample		78	64 - 143

Lab Sample ID: LCSD 550-228153/14-A
Matrix: Air
Analysis Batch: 228440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 228153
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.250	0.1940		ug/Sample		78	64 - 143	0	18

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

IH - Metals

Prep Batch: 228153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-154731-1	20120001	Total/NA	Air	Tube Prep	
550-154731-2	20120002	Total/NA	Air	Tube Prep	
550-154731-3	20120003	Total/NA	Air	Tube Prep	
550-154731-4	20120004	Total/NA	Air	Tube Prep	
550-154731-5	20120005	Total/NA	Air	Tube Prep	
MB 550-228153/12-A	Method Blank	Total/NA	Air	Tube Prep	
LCS 550-228153/13-A	Lab Control Sample	Total/NA	Air	Tube Prep	
LCSD 550-228153/14-A	Lab Control Sample Dup	Total/NA	Air	Tube Prep	

Analysis Batch: 228440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-154731-1	20120001	Total/NA	Air	PE-MET-013	228153
550-154731-2	20120002	Total/NA	Air	PE-MET-013	228153
550-154731-3	20120003	Total/NA	Air	PE-MET-013	228153
550-154731-4	20120004	Total/NA	Air	PE-MET-013	228153
550-154731-5	20120005	Total/NA	Air	PE-MET-013	228153
MB 550-228153/12-A	Method Blank	Total/NA	Air	PE-MET-013	228153
LCS 550-228153/13-A	Lab Control Sample	Total/NA	Air	PE-MET-013	228153
LCSD 550-228153/14-A	Lab Control Sample Dup	Total/NA	Air	PE-MET-013	228153

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Client Sample ID: 20120001

Lab Sample ID: 550-154731-1

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Tube Prep			228153	12/15/20 13:30	KJS	TAL PHX
Total/NA	Analysis	PE-MET-013		1	228440	12/17/20 17:31	KJS	TAL PHX

Client Sample ID: 20120002

Lab Sample ID: 550-154731-2

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Tube Prep			228153	12/15/20 13:30	KJS	TAL PHX
Total/NA	Analysis	PE-MET-013		1	228440	12/17/20 17:33	KJS	TAL PHX

Client Sample ID: 20120003

Lab Sample ID: 550-154731-3

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Tube Prep			228153	12/15/20 13:30	KJS	TAL PHX
Total/NA	Analysis	PE-MET-013		1	228440	12/17/20 17:34	KJS	TAL PHX

Client Sample ID: 20120004

Lab Sample ID: 550-154731-4

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Tube Prep			228153	12/15/20 13:30	KJS	TAL PHX
Total/NA	Analysis	PE-MET-013		1	228440	12/17/20 17:36	KJS	TAL PHX

Client Sample ID: 20120005

Lab Sample ID: 550-154731-5

Date Collected: 12/12/20 00:00

Matrix: Air

Date Received: 12/15/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Tube Prep			228153	12/15/20 13:30	KJS	TAL PHX
Total/NA	Analysis	PE-MET-013		1	228440	12/17/20 17:38	KJS	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-01-21

Method Summary

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Method	Method Description	Protocol	Laboratory
PE-MET-013	NIOSH 6009	NIOSH	TAL PHX
Tube Prep	Preparation, Air Sampling Tube	NIOSH	TAL PHX

Protocol References:

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: 10TF/Klamath Falls Motel Mercury

Job ID: 550-154731-1
SDG: 10-121420-133548-0001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-154731-1	20120001	Air	12/12/20 00:00	12/15/20 10:30	
550-154731-2	20120002	Air	12/12/20 00:00	12/15/20 10:30	
550-154731-3	20120003	Air	12/12/20 00:00	12/15/20 10:30	
550-154731-4	20120004	Air	12/12/20 00:00	12/15/20 10:30	
550-154731-5	20120005	Air	12/12/20 00:00	12/15/20 10:30	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Phoenix Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg_AIR_1ppm_00308	02/27/21	08/27/20	2%Nitric/2%HCl, Lot 00000315074 00000359	100 mL	Hg_primary_00010	100 uL	Mercury	1 ppm
					MP_HCL_conc._00845	1 mL	Hydrogen Chloride	3646 ppm
					MP_HNO3_conc._00800	2 mL	Nitric acid	200 ppm
.Hg_primary_00010	05/31/21		Ricca, Lot 8904099		(Purchased Reagent)		Mercury	1000 ug/mL
.MP_HCL_conc._00845	01/15/25		J.T.BAKER, Lot 251602		(Purchased Reagent)		Hydrogen Chloride	36.46 %
							Water	63.54 %
.MP_HNO3_conc._00800	12/20/23		Macron, Lot 216908		(Purchased Reagent)		Nitric acid	1 %
Hg_AIRsc_1ppm_00281	02/27/21	08/27/20	2%Nitric/2%HCl, Lot 0000031507 000003598	100 mL	Hg_Secondary_00009	100 uL	Mercury	1 ppm
					MP_HCL_conc._00845	1 mL	Hydrogen Chloride	3646 ppm
					MP_HNO3_conc._00800	2 mL	Nitric acid	200 ppm
.Hg_Secondary_00009	05/31/21		CPI, Lot 1009904-65		(Purchased Reagent)		Mercury	1000 ug/mL
.MP_HCL_conc._00845	01/15/25		J.T.BAKER, Lot 251602		(Purchased Reagent)		Hydrogen Chloride	36.46 %
							Water	63.54 %
.MP_HNO3_conc._00800	12/20/23		Macron, Lot 216908		(Purchased Reagent)		Nitric acid	1 %

Reagent

Hg_primary_00010

Certificate of Analysis

CERTIFIED REFERENCE MATERIAL

VeriSpec™ Mercury (Hg) concentration 1000 ppm in 10% Nitric Acid (HNO₃) for ICP-OES

Lot Number 87030F5 Product Number: RV010284-100N

Manufacture Date: Mar 13,2017

Expiration Date: Apr 2019

Component	Certified Value	Uncertainty	Starting Material*	Traceability
Hg	998.7 ppm ^(a)	±6.1 ppm	HgO 99.999%	NIST SRM No 3133 Lot 061204

* Starting material purity is not a certified value.

Method(s) of certification used:

(a) WQP 5.15.1.1

The certified value was obtained using ICP/OES or ICP/MS calibration

Concept of certification and traceability statement:

This certified reference material is produced using a high-purity starting material, acid from sub-boiling and 18 MOhm deionized water. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA 4/02

Property of the result of a measurement whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties (ISO VIM)

The metrological traceability is assured through calibration on ICP-OES, AAS. The calibration curve is drawn using a series of standard solutions prepared from a certified reference material traceable to SI of NIST (SRM) and of accredited according to ISO/IEC 17025 and/or ISO Guide 34 laboratories/producers. All contributions in relation to the certification of standard solutions are considered when evaluating the uncertainty. The measurement results are traceable to SI. All analytical balances used for the preparation of the solution are calibrated yearly under an in-house procedure with analytical weights, traceable to DKD and are daily checked.

Class A laboratory glassware is used.

The results from temperature measurement are traceable to SI. The thermometers used for solution's calibration are calibrated from an ISO 17025 accredited laboratory. The ambient conditions are controlled with a hygrometer calibrated from an ISO 17025 accredited laboratory.

Level of homogeneity:

The material was tested for homogeneity by analyzing randomly selected samples according to an in-house procedure. The level of homogeneity proved satisfactory for a sample volume of 20 ml. The uncertainty incorporates the sample standard deviation combined with the uncertainty calculated from homogeneity and stability studies.

To ensure sufficient homogeneity of the sample prior to use thoroughly mix by inversion.

Intended use:

For Laboratory Use Only

This CRM is intended for:

- Calibration of ICP-OES, AAS
- Validation of analytical methods
- Preparation of "working reference samples"
- Detection limit and linearity studies

This statement is not intended to restrict the use for other purposes.

Instructions for the correct use of this reference material:

This certified reference material can be used directly or can be diluted in an appropriate high-purity matrix. Only a clean class A glassware should be used. Do not pipet from container. Obtained concentration (in mg/l) after dilution is a result from the multiplication of certified value of CRM concentration and the CRM's volume used for dilution and divided into the flask's volume used for dilution.

Hazardous situation:

The normal laboratory safety precautions should be observed when working with this RM. Further details for the handling of this RM are available as safety data sheet.

Stability and storage:

This CRM is with a guaranteed stability until ±0.5% of the certified concentration within its shelf-life. Stability is guaranteed provided that the solution is kept in its original packaging, tightly closed under normal laboratory conditions

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RV010284-100N	100 mL natural HDPE	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Certifying Officer:



Katie Schnur
Quality Control Manager

This Certified Reference Material was produced under a quality management system that is accredited to ISO/IEC 17025 and ISO Guide 34.

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

Trace impurities in the actual solution reported in ppm:

(all values below are nominal and not certified)

Ag	<0.0038
Al	<0.0018
As	<0.016
Au	<0.016
B	<0.0078
Ba	<0.0005
Be	<0.0001
Bi	<0.016
Ca	0.17
Cd	<0.0012
Ce	<0.0085
Co	<0.0028
Cr	<0.0014
Cs	<0.05

Cu	0.01
Dy	<0.0054
Er	<0.0035
Eu	<0.0039
Fe	0.02
Ga	<0.020
Gd	<0.0028
Ge	<0.020
Hf	<0.0032
Hg	*
Ho	<0.0053
In	<0.098
Ir	<0.0061
K	<0.0095

La	<0.0024
Li	<0.0001
Lu	<0.0062
Mg	<0.0006
Mn	<0.001
Mo	<0.0024
Na	0.043
Nb	<0.0066
Nd	<0.0058
Ni	<0.0061
P	<0.048
Pb	0.02
Pd	<0.033
Pr	<0.0046

Pt	<0.0097
Rb	<0.063
Re	<0.0081
Rh	<0.0038
Ru	<0.0089
S	<0.071
Sb	<0.020
Sc	<0.0016
Se	<0.023
Si	<0.037
Sm	<0.0058
Sn	<0.050
Sr	<0.00006
Ta	<0.004

Tb	<0.022
Te	<0.031
Th	<0.014
Ti	<0.0012
Tl	<0.028
Tm	<0.0023
U	<0.45
V	<0.0018
W	<0.017
Y	<0.0007
Yb	<0.0003
Zn	<0.0032
Zr	<0.0007

IH - METALS

COVER PAGE
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix

Job Number: 550-154731-1

SDG No.: 10-121420-133548-0001

Project: 10TF/Klamath Falls Motel Mercury

Client Sample ID

20120001

20120002

20120003

20120004

20120005

Lab Sample ID

550-154731-1

550-154731-2

550-154731-3

550-154731-4

550-154731-5

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 IH - METALS

Client Sample ID: 20120001

Lab Sample ID: 550-154731-1

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG ID.: 10-121420-133548-0001

Matrix: Air

Date Sampled: 12/12/2020 00:00

Reporting Basis: WET

Date Received: 12/15/2020 10:30

CAS No.	Analyte	Result	RL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.000559	0.000127	mg/m3			1	PE-MET-013
7439-97-6	Mercury	0.559	0.127	ug/m3			1	PE-MET-013
7439-97-6	Mercury	0.0370	0.00840	ug/Sample			1	PE-MET-013

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 IH - METALS

Client Sample ID: 20120002

Lab Sample ID: 550-154731-2

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG ID.: 10-121420-133548-0001

Matrix: Air

Date Sampled: 12/12/2020 00:00

Reporting Basis: WET

Date Received: 12/15/2020 10:30

CAS No.	Analyte	Result	RL	Units	C	Q	DIL	Method
7439-97-6	Mercury	<0.000161	0.000161	mg/m3			1	PE-MET-013
7439-97-6	Mercury	<0.161	0.161	ug/m3			1	PE-MET-013
7439-97-6	Mercury	<0.00840	0.00840	ug/Samp le			1	PE-MET-013

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 IH - METALS

Client Sample ID: 20120003

Lab Sample ID: 550-154731-3

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG ID.: 10-121420-133548-0001

Matrix: Air

Date Sampled: 12/12/2020 00:00

Reporting Basis: WET

Date Received: 12/15/2020 10:30

CAS No.	Analyte	Result	RL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.000621	0.000142	mg/m3			1	PE-MET-013
7439-97-6	Mercury	0.621	0.142	ug/m3			1	PE-MET-013
7439-97-6	Mercury	0.0368	0.00840	ug/Sample			1	PE-MET-013

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 IH - METALS

Client Sample ID: 20120004

Lab Sample ID: 550-154731-4

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG ID.: 10-121420-133548-0001

Matrix: Air

Date Sampled: 12/12/2020 00:00

Reporting Basis: WET

Date Received: 12/15/2020 10:30

CAS No.	Analyte	Result	RL	Units	C	Q	DIL	Method
7439-97-6	Mercury	<0.00840	0.00840	ug/Samp le			1	PE-MET-0 13

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 IH - METALS

Client Sample ID: 20120005

Lab Sample ID: 550-154731-5

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG ID.: 10-121420-133548-0001

Matrix: Air

Date Sampled: 12/12/2020 00:00

Reporting Basis: WET

Date Received: 12/15/2020 10:30

CAS No.	Analyte	Result	RL	Units	C	Q	DIL	Method
7439-97-6	Mercury	<0.00840	0.00840	ug/Samp le			1	PE-MET-0 13

2A-IN
 CALIBRATION VERIFICATIONS
 IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

ICV Source: Hg_AIRsc_lppm_00281 Concentration Units: ug/mL

CCV Source: Hg_AIR_lppm_00308

Analyte	ICVL 550-228153/8-A 12/17/2020 17:21				CCVIH 550-228153/10-A 12/17/2020 17:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00001 193		0.00001 00	119	0.00045 53		0.00050 0	91				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

3-IN
 INSTRUMENT BLANKS
 IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

Concentration Units: ug/mL

Analyte	RL	ICB 550-228153/9-A 12/17/2020 17:23		CCB 550-228153/11-A 12/17/2020 17:41					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.000010 0	<0.0000100		<0.0000100					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix Job No.: 550-154731-1
SDG No.: 10-121420-133548-0001
Concentration Units: ug/Sample Lab Sample ID: MB 550-228153/12-A
Instrument Code: HG 04 IH Batch No.: 228440

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	<0.00840			NIOSH6009

7A-IN
 LAB CONTROL SAMPLE
 IH - METALS

Lab ID: LCS 550-228153/13-A

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

Sample Matrix: Air

LCS Source: Hg_AIRsc_1ppm_00281

Analyte	Air (ug/Sample)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.250	0.1942		78	64	143	PE-MET-013

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 IH - METALS

Lab ID: LCSD 550-228153/14-A

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

Sample Matrix: Air

LCS Source: Hg_AIRsc_1ppm_00281

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.1940	0.250	78	64-143	0	18		PE-MET-013

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix Job Number: 550-154731-1
SDG Number: 10-121420-133548-0001
Matrix: Air Instrument ID: HG 04 IH
Method: PE-MET-013 XMDL Date: 07/17/2020 14:01

Analyte	Wavelength/ Mass	XRL (ug/mL)	XMDL (ug/mL)
Mercury		0.0002	0.000054

9-IN
DETECTION LIMITS
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix Job Number: 550-154731-1
SDG Number: 10-121420-133548-0001
Matrix: Air Instrument ID: HG 04 IH
Method: PE-MET-013 RL Date: 07/17/2020 13:48
Prep Method: Tube Prep

Analyte	Wavelength/ Mass	RL (ug/Sample)	
Mercury		0.01	

12-IN
PREPARATION LOG
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

Prep Method: Tube Prep

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (Sample)	Initial Volume	Final Volume (mL)
MB 550-228153/12-A	12/15/2020 13:30	228153	1		50
LCS 550-228153/13-A	12/15/2020 13:30	228153	1		50
LCSD 550-228153/14-A	12/15/2020 13:30	228153	1		50
550-154731-1	12/15/2020 13:30	228153	1		50
550-154731-2	12/15/2020 13:30	228153	1		50
550-154731-3	12/15/2020 13:30	228153	1		50
550-154731-4	12/15/2020 13:30	228153	1		50
550-154731-5	12/15/2020 13:30	228153	1		50

13-IN
ANALYSIS RUN LOG
IH - METALS

Lab Name: Eurofins TestAmerica, Phoenix

Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

Instrument ID: HG 04 IH

Analysis Method: PE-MET-013

Start Date: 12/17/2020 17:04

End Date: 12/17/2020 17:55

Lab Sample Id	D/F	Type	Time	Hg	Analytes																											
IC 550-228173/26-A			17:04	X																												
IC 550-228173/27-A			17:06	X																												
IC 550-228173/28-A			17:08	X																												
IC 550-228173/29-A			17:09	X																												
IC 550-228173/30-A			17:11	X																												
IC 550-228173/31-A			17:13	X																												
IC 550-228173/32-A			17:14	X																												
ICVL 550-228153/8-A			17:16																													
ICVL 550-228153/8-A			17:17																													
ICVL 550-228153/8-A	1		17:21	X																												
ICB 550-228153/9-A	1		17:23	X																												
MB 550-228153/12-A	1	T	17:24	X																												
ZZZZZZ			17:26																													
LCS 550-228153/13-A	1	T	17:28	X																												
LCSD 550-228153/14-A	1	T	17:29	X																												
550-154731-1	1	T	17:31	X																												
550-154731-2	1	T	17:33	X																												
550-154731-3	1	T	17:34	X																												
550-154731-4	1	T	17:36	X																												
550-154731-5	1	T	17:38	X																												
CCVIH 550-228153/10-A	1		17:40	X																												
CCB 550-228153/11-A	1		17:41	X																												
ZZZZZZ			17:44																													
ZZZZZZ			17:46																													
ZZZZZZ			17:47																													
ZZZZZZ			17:50																													
ZZZZZZ			17:52																													
CCVIH 550-228153/10-A			17:53																													
CCB 550-228153/11-A			17:55																													

Prep Types:
T = Total/NA

IH - METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Phoenix Job No.: 550-154731-1

SDG No.: 10-121420-133548-0001

Batch Number: 228153 Batch Start Date: 12/15/20 13:30 Batch Analyst: Steinmetz, Kyle J

Batch Method: Tube Prep Batch End Date: 12/15/20 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_AIR_1ppm 00308	Hg_AIRsc_1ppm 00281		
ICVL 550-228153/8		Tube Prep, PE-MET-013		1 Sample	50 mL		10 uL		
ICB 550-228153/9		Tube Prep, PE-MET-013		1 Sample	50 mL				
CCVIH 550-228153/10		Tube Prep, PE-MET-013		1 Sample	50 mL	500 uL			
CCB 550-228153/11		Tube Prep, PE-MET-013		1 Sample	50 mL				
MB 550-228153/12		Tube Prep, PE-MET-013		1 Sample	50 mL				
LCS 550-228153/13		Tube Prep, PE-MET-013		1 Sample	50 mL		250 uL		
LCSD 550-228153/14		Tube Prep, PE-MET-013		1 Sample	50 mL		250 uL		
550-154731-A-1	20120001	Tube Prep, PE-MET-013	T	1 Sample	50 mL				
550-154731-A-2	20120002	Tube Prep, PE-MET-013	T	1 Sample	50 mL				
550-154731-A-3	20120003	Tube Prep, PE-MET-013	T	1 Sample	50 mL				
550-154731-A-4	20120004	Tube Prep, PE-MET-013	T	1 Sample	50 mL				
550-154731-A-5	20120005	Tube Prep, PE-MET-013	T	1 Sample	50 mL				

Batch Notes	
Batch Comment	12320
Lot # of hydrochloric acid	2115315
Lot # of Nitric Acid	2118030
Hood ID	11c
Pipette ID	78,135,119,124
Digestion Tube/Cup ID	2117006

Basis	Basis Description
T	Total/NA

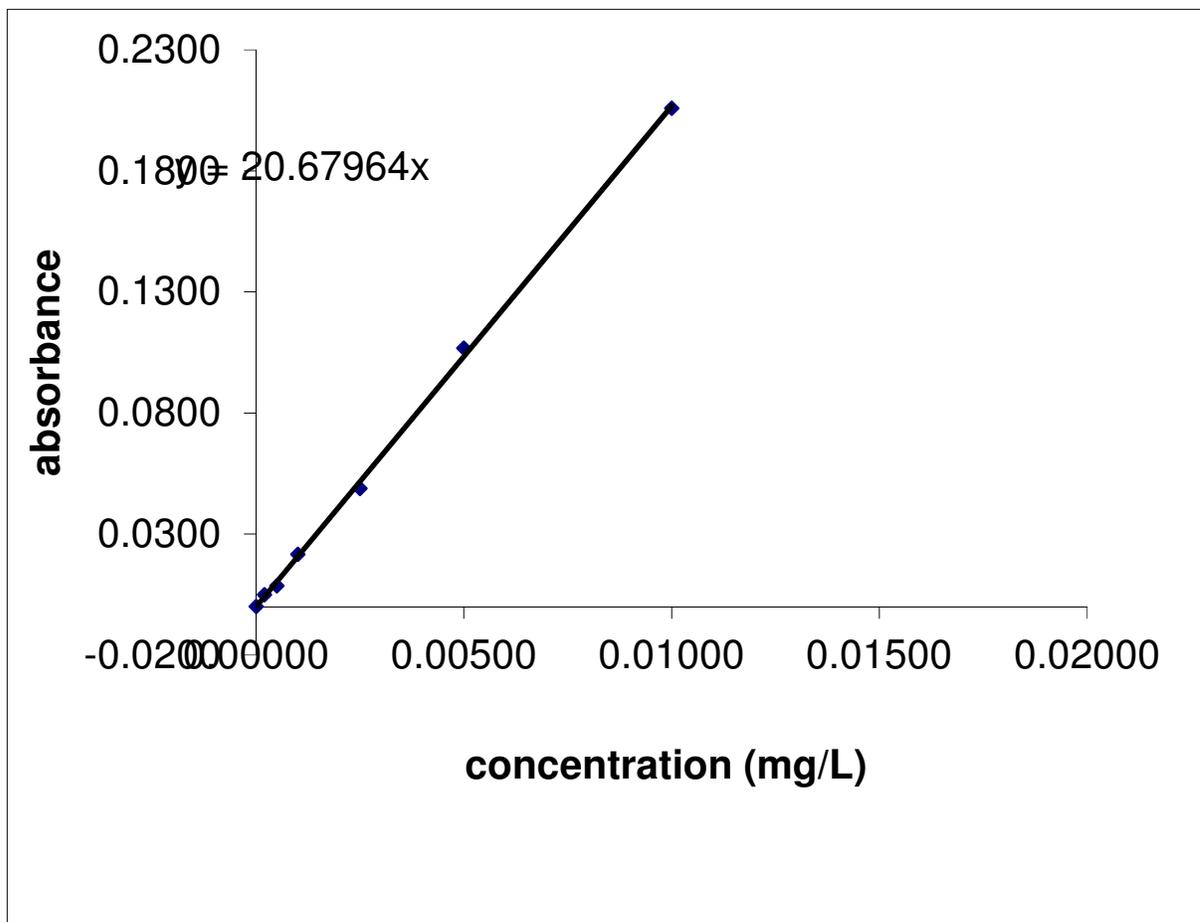
The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Manual Verification of Curve

Analyst: KJS
Analysis Date: 12/17/2020
Instrument: FIMS400
Matrix: Air

Concentration (mg/L)	Absorbance
0.00000	0.0000
0.00020	0.0049
0.00050	0.0086
0.00100	0.0216
0.00250	0.0488
0.00500	0.1068
0.01000	0.2058

Correlation Coefficient	0.99963
-------------------------	---------



Reprocessing Begun

Logged In Analyst: phxinsthg04

Technique: AA FIMS-MHS

Results Data Set (original): HG12-17-20a1

Results Library (original): C:\Users\Public\PerkinElmer\AA\Data\Results\Results.mdb

Results Data Set (reprocessed): HG12-17-20a1a

Results Library (reprocessed): C:\Users\Public\PerkinElmer\AA\Data\Results\Results.mdb

Method Loaded

Method Name: Hg-NIOSH A6009_60420

Method Last Saved: 12/15/2020 7:09:34 PM

Method Description: Hg-NIOSH A6009 Lower UQL Air Samples

Sequence No.: 1

Autosampler Location: 1

Sample ID: IC 550-228173/26-A

Date Collected: 12/17/2020 5:04:42 PM

Analyst:

Data Type: Reprocessed on 12/17/2020 6:00:13 PM

Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/26-A

Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0021	0.0021	0.0002	5:05:41 PM	Yes

Auto-zero performed.

Sequence No.: 2

Autosampler Location: 2

Sample ID: IC 550-228173/27-A

Date Collected: 12/17/2020 5:06:22 PM

Analyst:

Data Type: Reprocessed on 12/17/2020 6:00:13 PM

Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/27-A

Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.0002]	0.0049	0.0070	0.0012	5:07:21 PM	Yes

Standard number 1 applied. [0.0002]

Correlation Coef.: 1.000000 Slope: 24.71971 Intercept: 0.00000

Sequence No.: 3

Autosampler Location: 3

Sample ID: IC 550-228173/28-A

Date Collected: 12/17/2020 5:08:03 PM

Analyst:

Data Type: Reprocessed on 12/17/2020 6:00:13 PM

Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/28-A

Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.0005]	0.0086	0.0107	0.0022	5:09:03 PM	Yes

Standard number 2 applied. [0.0005]

Correlation Coef.: 0.934092 Slope: 18.60961 Intercept: 0.00000

Sequence No.: 4

Autosampler Location: 4

Sample ID: IC 550-228173/29-A

Date Collected: 12/17/2020 5:09:45 PM

Analyst:

Data Type: Reprocessed on 12/17/2020 6:00:13 PM

Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/29-A

Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.001]	0.0216	0.0236	0.0047	5:10:45 PM	Yes

Standard number 3 applied. [0.001]

Correlation Coef.: 0.984306 Slope: 20.99236 Intercept: 0.00000

Sequence No.: 5

Autosampler Location: 5

Sample ID: IC 550-228173/30-A

Date Collected: 12/17/2020 5:11:28 PM

Analyst:

Data Type: Reprocessed on 12/17/2020 6:00:13 PM

Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/30-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.0025]	0.0488	0.0508	0.0106	5:12:28 PM	Yes

Standard number 4 applied. [0.0025]
Correlation Coef.: 0.997404 Slope: 19.76992 Intercept: 0.00000

Sequence No.: 6 Autosampler Location: 6
Sample ID: IC 550-228173/31-A Date Collected: 12/17/2020 5:13:12 PM
Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/31-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.005]	0.1068	0.1089	0.0226	5:14:11 PM	Yes

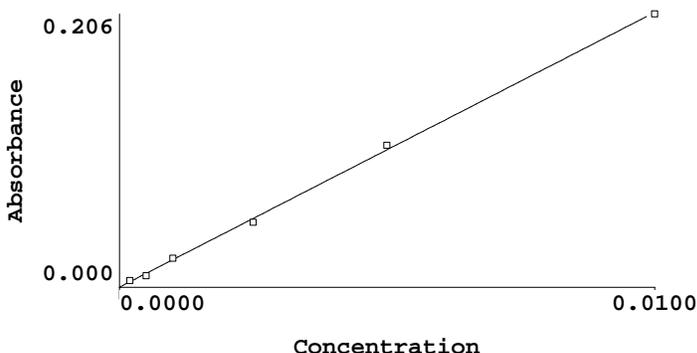
Standard number 5 applied. [0.005]
Correlation Coef.: 0.998421 Slope: 21.01103 Intercept: 0.00000

Sequence No.: 7 Autosampler Location: 7
Sample ID: IC 550-228173/32-A Date Collected: 12/17/2020 5:14:53 PM
Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: IC 550-228173/32-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.01]	0.2058	0.2079	0.0428	5:15:51 PM	Yes

Standard number 6 applied. [0.01]
Correlation Coef.: 0.999580 Slope: 20.69032 Intercept: 0.00000
The calibration curve may not be linear.



Calibration data for Hg 253.7 Equation: Linear Through Zero

ID	Mean Signal (Abs)	Entered Conc. mg/L	Calculated Conc. mg/L	Standard Deviation	%RSD
IC 550-228173/26-A	0.0000	0	0.00000	----	----
IC 550-228173/27-A	0.0049	0.0002	0.00024	----	----
IC 550-228173/28-A	0.0086	0.0005	0.00042	----	----
IC 550-228173/29-A	0.0216	0.001	0.00104	----	----
IC 550-228173/30-A	0.0488	0.0025	0.00236	----	----
IC 550-228173/31-A	0.1068	0.005	0.00516	----	----
IC 550-228173/32-A	0.2058	0.01	0.00995	----	----

Correlation Coef.: 0.999580 Slope: 20.69032 Intercept: 0.00000

Sequence No.: 8 Autosampler Location: 8
Sample ID: ICVL 550-228153/8-A Date Collected: 12/17/2020 5:16:33 PM
Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICVL 550-228153/8-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00009	0.00009	0.0019	0.0040	0.0009	5:17:32 PM	Yes

QC value less than the lower limit for Hg 253.7 Recovery = 46.90%
QC Failed. Continue with analysis.

=====

Sequence No.: 9 Autosampler Location: 8
 Sample ID: ICVL 550-228153/8-A Date Collected: 12/17/2020 5:16:33 PM
 Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
 Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICVL 550-228153/8-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00009	0.00009	0.0019	0.0040	0.0009	5:17:32 PM	Yes

QC value less than the lower limit for Hg 253.7 Recovery = 46.90%
QC Failed. Continue with analysis.

=====

Sequence No.: 10 Autosampler Location: 8
 Sample ID: ICVL 550-228153/8-A Date Collected: 12/17/2020 5:17:51 PM
 Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
 Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICVL 550-228153/8-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00005	0.00005	0.0011	0.0032	0.0008	5:18:50 PM	Yes

QC value less than the lower limit for Hg 253.7 Recovery = 27.03%
QC Failed. Continue with analysis.

=====

Sequence No.: 11 Autosampler Location: 8
 Sample ID: ICVL 550-228153/8-A Date Collected: 12/17/2020 5:17:51 PM
 Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
 Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICVL 550-228153/8-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00005	0.00005	0.0011	0.0032	0.0008	5:18:50 PM	Yes

QC value less than the lower limit for Hg 253.7 Recovery = 27.03%
QC Failed. Continue with analysis.

=====

Sequence No.: 12 Autosampler Location: 8
 Sample ID: ICVL 550-228153/8-A Date Collected: 12/17/2020 5:21:21 PM
 Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
 Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICVL 550-228153/8-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00024	0.00024	0.0049	0.0070	0.0010	5:22:20 PM	Yes

QC value within limits for Hg 253.7 Recovery = 119.33%
All analyte(s) passed QC.

=====

Sequence No.: 13 Autosampler Location: 1
 Sample ID: ICB 550-228153/9-A Date Collected: 12/17/2020 5:23:02 PM
 Analyst: Data Type: Reprocessed on 12/17/2020 6:00:14 PM
 Logged In Analyst (Original) : phxinsthg04

Replicate Data: ICB 550-228153/9-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
--------	-----------------	---------------	----------------	-----------	-------------	------	-------------

1 -0.00009 -0.00009 -0.0018 0.0002 0.0000 5:24:01 PM Yes
QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 14 Autosampler Location: 18
Sample ID: MB 550-228153/12-A Date Collected: 12/17/2020 5:24:43 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:14 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, -0.00016, -0.00016, -0.0033, -0.0012, 0.0002, 5:25:42 PM, Yes

Sequence No.: 15 Autosampler Location: 19
Sample ID: MB 550-228153/31-A Date Collected: 12/17/2020 5:26:24 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, -0.00008, -0.00008, -0.0017, 0.0004, 0.0002, 5:27:23 PM, Yes

Sequence No.: 16 Autosampler Location: 20
Sample ID: LCS 550-228153/13-A Date Collected: 12/17/2020 5:28:05 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, 0.00462, 0.00462, 0.0956, 0.0977, 0.0210, 5:29:05 PM, Yes

Sequence No.: 17 Autosampler Location: 21
Sample ID: LCSD 550-228153/14-A Date Collected: 12/17/2020 5:29:47 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, 0.00462, 0.00462, 0.0955, 0.0976, 0.0210, 5:30:47 PM, Yes

Sequence No.: 18 Autosampler Location: 22
Sample ID: 550-154731-A-1-A Date Collected: 12/17/2020 5:31:29 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, 0.00088, 0.00088, 0.0182, 0.0203, 0.0043, 5:32:29 PM, Yes

Sequence No.: 19 Autosampler Location: 23
Sample ID: 550-154731-A-2-A Date Collected: 12/17/2020 5:33:12 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Row 1: 1, 0.00088, 0.00088, 0.0182, 0.0203, 0.0043, 5:32:29 PM, Yes

1 -0.00009 -0.00009 -0.0018 0.0003 0.0006 5:34:12 PM Yes

Sequence No.: 20 Autosampler Location: 24
Sample ID: 550-154731-A-3-A Date Collected: 12/17/2020 5:34:55 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: 550-154731-A-3-A Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
mg/L mg/L Signal Area Height Stored
1 0.00088 0.00088 0.0181 0.0202 0.0046 5:35:55 PM Yes

Sequence No.: 21 Autosampler Location: 25
Sample ID: 550-154731-A-4-A Date Collected: 12/17/2020 5:36:39 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: 550-154731-A-4-A Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
mg/L mg/L Signal Area Height Stored
1 -0.00011 -0.00011 -0.0024 -0.0003 0.0001 5:37:39 PM Yes

Sequence No.: 22 Autosampler Location: 26
Sample ID: 550-154731-A-5-A Date Collected: 12/17/2020 5:38:22 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: 550-154731-A-5-A Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
mg/L mg/L Signal Area Height Stored
1 -0.00018 -0.00018 -0.0038 -0.0017 0.0001 5:39:22 PM Yes

Sequence No.: 23 Autosampler Location: 7
Sample ID: CCVIH 550-228153/10-A Date Collected: 12/17/2020 5:40:04 PM
Analyst: Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: CCVIH 550-228153/10-A Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
mg/L mg/L Signal Area Height Stored
1 0.00911 0.00911 0.1884 0.1905 0.0393 5:41:03 PM Yes
QC value within limits for Hg 253.7 Recovery = 91.05%
All analyte(s) passed QC.

Sequence No.: 24 Autosampler Location: 1
Sample ID: CCB 550-228153/11-A Date Collected: 12/17/2020 5:41:45 PM
Analyst: Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: CCB 550-228153/11-A Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
mg/L mg/L Signal Area Height Stored
1 -0.00013 -0.00013 -0.0026 -0.0005 0.0000 5:42:44 PM Yes
QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 25 Autosampler Location: 27
Sample ID: 550-154731-A-1-A Date Collected: 12/17/2020 5:44:26 PM
Analyst: BCV Data Type: Reprocessed on 12/17/2020 6:00:15 PM
Logged In Analyst (Original) : phxinsthg04

Replicate Data: 550-154731-A-1-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00084	0.00084	0.0174	0.0195	0.0044	5:45:25 PM	Yes

Sequence No.: 26
 Sample ID: 550-154731-A-2-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 28
 Date Collected: 12/17/2020 5:46:07 PM
 Data Type: Reprocessed on 12/17/2020 6:00:15 PM

Replicate Data: 550-154731-A-2-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.00012	-0.00012	-0.0024	-0.0003	0.0003	5:47:06 PM	Yes

Sequence No.: 27
 Sample ID: 550-154731-A-3-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 29
 Date Collected: 12/17/2020 5:47:48 PM
 Data Type: Reprocessed on 12/17/2020 6:00:16 PM

Replicate Data: 550-154731-A-3-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.00009	-0.00009	-0.0019	0.0002	0.0001	5:48:47 PM	Yes

Sequence No.: 28
 Sample ID: 550-154731-A-3-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 29
 Date Collected: 12/17/2020 5:50:51 PM
 Data Type: Reprocessed on 12/17/2020 6:00:16 PM

Replicate Data: 550-154731-A-3-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00086	0.00086	0.0178	0.0198	0.0045	5:51:51 PM	Yes

Sequence No.: 29
 Sample ID: 550-154731-A-3-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 29
 Date Collected: 12/17/2020 5:50:51 PM
 Data Type: Reprocessed on 12/17/2020 6:00:16 PM

Replicate Data: 550-154731-A-3-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00086	0.00086	0.0178	0.0198	0.0045	5:51:51 PM	Yes

Sequence No.: 30
 Sample ID: 550-154731-A-2-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 28
 Date Collected: 12/17/2020 5:52:38 PM
 Data Type: Reprocessed on 12/17/2020 6:00:16 PM

Replicate Data: 550-154731-A-2-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00001	0.00001	0.0002	0.0023	0.0010	5:53:37 PM	Yes

Sequence No.: 31
 Sample ID: 550-154731-A-2-A
 Analyst: BCV
 Logged In Analyst (Original) : phxinsthg04

Autosampler Location: 28
 Date Collected: 12/17/2020 5:52:38 PM
 Data Type: Reprocessed on 12/17/2020 6:00:16 PM

Replicate Data: 550-154731-A-2-A Analyte: Hg 253.7

Repl #	SampleConc mg/L	StndConc mg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
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1 0.00001 0.00001 0.0002 0.0023 0.0010 5:53:37 PM Yes

```

=====
Sequence No.: 32                               Autosampler Location: 7
Sample ID: CCVIH 550-228153/10-A             Date Collected: 12/17/2020 5:53:54 PM
Analyst:                                       Data Type: Reprocessed on 12/17/2020 6:00:16 PM
Logged In Analyst (Original) : phxinsthg04

```

```

-----
Replicate Data: CCVIH 550-228153/10-A       Analyte: Hg 253.7
Repl  SampleConc  StndConc  BlnkCorr  Peak    Peak    Time    Peak
#      mg/L        mg/L        Signal    Area    Height   Time    Stored
1      0.00838     0.00838    0.1734   0.1755  0.0369   5:54:53 PM  Yes
QC value within limits for Hg 253.7  Recovery = 83.82%
All analyte(s) passed QC.

```

```

=====
Sequence No.: 33                               Autosampler Location: 1
Sample ID: CCB 550-228153/11-A             Date Collected: 12/17/2020 5:55:35 PM
Analyst:                                       Data Type: Reprocessed on 12/17/2020 6:00:16 PM
Logged In Analyst (Original) : phxinsthg04

```

```

-----
Replicate Data: CCB 550-228153/11-A       Analyte: Hg 253.7
Repl  SampleConc  StndConc  BlnkCorr  Peak    Peak    Time    Peak
#      mg/L        mg/L        Signal    Area    Height   Time    Stored
1     -0.00015     -0.00015   -0.0032  -0.0011 0.0000   5:56:33 PM  Yes
QC value within limits for Hg 253.7  Recovery = Not calculated
All analyte(s) passed QC.

```

Mercury Air Standards

Instrument: Fims 400

Analyst/Date: KJS 12/17/20

Prep/Analytical Batches: P: 228153

A: 228440

NIOSH 6009

OSHA 140

	<u>Standard ID</u>	<u>Prepared</u>	<u>Expiration Date</u>
Primary Source	Hg_primary_00010-1802597	9/26/2019	5/31/2021
Secondary Source	Hg_secondary_00008-1416448	11/1/2019	5/31/2021
1 ppm Primary Source	Hg_AIR_1ppm_00308-2035044	8/27/2020	2/27/2021
1 ppm Secondary Source	Hg_AIRsc_1ppm_00281-2035045	8/27/2020	2/27/2021

	<u>Standard ID</u>	<u>Prepared</u>
Primary Source		
Secondary Source		
1 ppm Primary Source		
1 ppm Secondary Source		

The following curves are created from the above standards.

Spiking for LCS/LCSD are from secondary 1ppm standard.

	NIOSH 6009		
	<u>Standard ID</u>	<u>Conc(mg/L Hg)</u>	<u>Expiration</u>
IC 1	IC 550-228153/2-A	0.00050	2/27/2021
IC 2	IC 550-228153/3-A	0.00100	2/27/2021
IC 3	IC 550-228153/4-A	0.00250	2/27/2021
IC 4	IC 550-228153/5-A	0.00500	2/27/2021
IC 5	IC 550-228153/6-A	0.01000	2/27/2021
IC 6	IC 550-228153/7-A	0.02500	2/27/2021
ICVL	ICVL 550-228153/8-A	0.00050	2/27/2021
CCVIH	CCVIH 550-228153/10-A	0.02500	2/27/2021
CRI (Annually RL Media Spike)	ICVL 550-228153/8-A	0.00050	2/27/2021

	OSHA 140	
	<u>Standard ID</u>	<u>Conc(mg/L Hg)</u>
IC 1		0.00200
IC 2		0.00500
IC 3		0.01000
IC 4		0.02000
IC 5		0.05000
ICVL		0.00200
CCVIH		0.05000
CRI (Annually RL Media Spike)		0.00200

	<u>Standard ID</u>	<u>Preparation Date</u>	<u>Expiration Date</u>
Stannous Chloride	HG_SnCl2_1.1%_00303/2120640	12/17/2020	12/20/2023
3% HCl	HG_HCL_3%_00907/2120639	12/17/2020	12/20/2023

Expiration Date

Page 43 of 46

Expiration

Shipping and Receiving Documents

Klamath Falls Motel Mercury
 Date Shipped: 12/14/2020
 Carrier Name: FedEx
 Airbill No: 772365488025

154731

CHAIN OF CUSTODY RECORD
 Site #: 10TF
 Contact Name: Bonnie Criss
 Contact Phone: 303-579-0464

No: 10-121420-133548-0001
 Cooler #: 1
 Lab: Eurofins Test America - Phoenix
 Lab Phone: 602-659-7612

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Preservative	Volume	Sample Type
	20120001	NIOSH 6009	Air	12/12/2020	07:40	NA	66.29	Field Sample
	20120002	NIOSH 6009	Air	12/12/2020	07:40	NA	52.13	Field Sample
	20120003	NIOSH 6009	Air	12/12/2020	07:40	NA	59.33	Field Sample
	20120004	NIOSH 6009	Air	12/12/2020	07:40	NA	0	Trip Blank
	20120005	NIOSH 6009	Air	12/12/2020	07:40	NA	0	Trip Blank
	20120006	NIOSH 6009	Air	12/12/2020	07:40	NA	0	Media Blank
	20120007	NIOSH 6009	Air	12/12/2020	07:40	NA	0	Media Blank
	20120008	NIOSH 6009	Air	12/12/2020	07:40	NA	0	Media Blank



Special Instructions: 48 hr turn around time

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Analysis	<i>[Signature]</i> WESTON / START	12/14/20	<i>[Signature]</i>	12/15/20	O.K
	<i>[Signature]</i> FELIX		<i>[Signature]</i>		

10:35
 Amb no ICE

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 550-154731-1
SDG Number: 10-121420-133548-0001

Login Number: 154731
List Number: 1
Creator: Gravin, Andrea

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

ATTACHMENT D
DISPOSED ITEM INVENTORY RECEIPT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10

1200 Sixth Avenue
Seattle, Washington 98101

Disposed Item Receipt

The following items neared or exceeded the site determined action level and were disposed:

Please contact me if you have any further questions.

Michael Boykin
EPA On-Scene Coordinator

Date Signed

Boykin.Michael@Epa.gov
206-553-6362



24-001

Original Location: Main Room

2 Pillows



24-002

Original Location: Cleaning Room

Vacuum



24-003

Original Location: Main Room

Bedding



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10

1200 Sixth Avenue
Seattle, Washington 98101

Disposed Item Receipt

The following items neared or exceeded the site determined action level and were disposed:



24-004

Original Location: Bathroom

2 Bath towels, 1 hand towel, 1 wash cloth and a shower curtain



24-005

Original Location: Main Room

2 Window curtains



24-006

Original Location: Bathroom

Toilet paper, shampoo, tissue box



24-007

Original Location: Main Room

1/2 box spring



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10**

1200 Sixth Avenue
Seattle, Washington 98101

Disposed Item Receipt

The following items neared or exceeded the site determined action level and were disposed:



24-008

Original Location: Main Room

1/2 box spring



24-009

Original Location: Main Room

Mattress



24-010

Original Location: Main Room

Carpet (~150 sq ft total)

ATTACHMENT E
WASTE MANIFEST

730

479572

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number OR P93600-1188	2. Page 1 of 1	3. Emergency Response Phone 1-206-553-1263	4. Manifest Tracking Number 013520765 FLE			
5. Generator's Name and Mailing Address US EPA Region 10 (Klamath Falls Motel Mercury) 1200 Sixth Ave. Suite 155, MS13-307 Seattle, WA 98101				Generator's Site Address (if different than mailing address) 5543 S. 6th Street Klamath Falls, OR 97603				
6. Transporter 1 Company Name MP Environmental				U.S. EPA ID Number CAT000624247				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Chemical Waste Management, Inc 17629 Cedar Springs Lane Arlington, OR 97812				U.S. EPA ID Number OR D089452353				
Facility's Phone: (541) 454-2643								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. NA3077, Hazardous Waste Solid, n.o.s., 9, P6 III (Mercury)		1 CM		10 20	Y	D009
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information OR 346203 380p.								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name Jennifer Holtz USEPA Region 10				Signature <i>Jennifer Holtz</i>		Month Day Year 12 14 2020		
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name Heath Golder				Signature <i>Heath Golder</i>		Month Day Year 12 22 20	
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
	1. 4132		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Margaret Wolf				Signature <i>Margaret Wolf</i>		Month Day Year 12 22 20		

9m



Chemical Waste Management of the NorthWest
 17629 Cedar Springs Lane
 Arlington, OR, 97812
 Ph: (541) 454-2643

Reprint
 Ticket# 35563

Customer Name ENVIRONMENTAL QUALITY MGMT EN Carrier MP MP Environmental Services Inc.
 Ticket Date 12/31/2020 Vehicle# 730 Volume
 Payment Type Credit Account Container
 CWM Load# 479572 Driver
 Hauling Ticket# Check#
 Route Billing # 0000343
 State Waste Code Gen EPA ID
 Manifest 013520765FLE
 Destination Grid
 PO OR346203
 Profile OR346203 (STAB07 Debris contaminated with Mercury)
 Generator 168-US EPA REGION 10 - KLAMATH US EPA REGION 10 - KLAMATH FALLS MOTEL 5543 S

	Time	Scale	Operator	Inbound	Gross	380 lb*
In	12/31/2020 09:00:22	MANUAL WT	nfletche		Tare	1 lb*
Out	12/31/2020 09:00:22		nfletche		Net	379 lb
			* Manual Weight		Tons	0.19

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 RCRA Macr-Cubic Ya 100		10.00	Yards	208.50	3.80	\$2085.00	OREGON
2 EVF-P-Standard Env 100			%	17.50		\$369.25	OREGON
3 MFE-e-Manifest (La 100		1.00	Each	25.00		\$25.00	

Total Tax \$3.80
 Total Ticket \$2483.05

Driver`s Signature