October 25, 2022

Candace Sykora Hydrogeologist Wisconsin Department of Natural Resources 890 Spruce St Baldwin, WI 54002

 Re: 2022 Site Investigation Report and Remedial Action Plan WM Waste, Inc.
 21211 Durand Avenue, Union Grove, Racine County, WI 53182 BRRTS Activity # 02-52-586974 DNR FID # 252195350

Dear Ms. Sykora:

On behalf of WM Waste, Inc. (WM Waste), Cornerstone Environmental Group, LLC, a Tetra Tech Company (Tetra Tech) is submitting this Site Investigation Report and Remedial Action Plan (RAP) based on an investigation conducted at the Facility located in Union Grove, Wisconsin. The investigation was performed in accordance with an approved Site Investigation Work Plan (SIWP). The SIWP was submitted to the Wisconsin Department of Natural Resources (WDNR) on October 15, 2021 and approved by the WDNR in a Review of Site Investigation Work Plan Letter Dated March 9, 2022 (Attachment 1).

The purpose of the SIWP was to define the extent and magnitude of residual contamination remaining after a previous soil excavation was conducted associated with the release of mercury impacted carbon during change-out activities. On May 24, 2022, Tetra Tech collected soil samples from predetermined locations, private well samples, one surface water sample from the retention pond and one discharge water sample from the retention pond at the Facility.

In general, the following activities were performed during the 2022 Site Investigation. Soil and water samples were collected and analyzed for total mercury at a certified laboratory. The soil sample analytical results were compared to the 3.13-mg/kg standard residual contaminant limits (RCLs) for direct contact. Some soil sample locations exceeded the 3.13 mg/kg total mercury RCL and therefore required the collection of additional or step-out samples to further define the boundary of RCL exceeding soil. This action was performed in accordance with the approved SIWP. This Site Investigation Report has been prepared and Remedial Action Plan developed based upon the evaluation of the data collected during the field activities and is being submitted as required in the approved SIWP.

1.0 SITE INFORMATION

Site name: WM Waste, Inc. Facility Address: 21211 Durand Avenue, Union Grove, Racine County, WI 53182 Parcel IDs: 006-03-20-36-029-000 and 006-03-20-36-031-021 Environmental Protection Agency ID #: WID000000356

Facility ID #: 252195350)

Site location: Northeast ¼ of the Northeast ¼ of section 36 of Township 3 North and Range 20 East, Racine County, Wisconsin

Responsible Party's name and address: WM Waste, Inc., 21211 Durand Avenue, Union Grove, Racine County, WI 53182

Consultant name and address: Tetra Tech, 8413 Excelsior Drive, Suite 160, Madison, WI, 53717

2.0 BACKGROUND INFORMATION

The Facility is located in a small industrial park. The facility and is bordered to the north by Durand Avenue followed by agricultural land. The remainder of the surrounding area consists of industrial properties to the south and residences to the east and west. The site location is shown on Figure 1.

The facility was historically used as a mercury recycling and licensed hazardous waste storage and treatment facility. Mercury recycling activities were conducted utilizing retort ovens. Emissions from the mercury retort ovens were directed to a granular activated carbon (GAC) system. The facility no longer operates the ovens nor processes mercury for recycling. Nonetheless, the GAC system remains operational at the facility. The GAC's carbon media is replaced approximately every five years.

Beginning in 2012, WM Waste has been required as a condition of its operating license to collect bi-annual surficial soil samples from grid locations and analyze them for total mercury using a certified laboratory. Once received, the soil sample results are recorded on a drawing and in tabular format and became part of the facility's operating record. If the 10 mg/kg threshold is met or exceeded in any of the bi-annual soil samples, WM Waste is required to notify in writing the WDNR's designated Hazardous Waste Inspector assigned to the facility.

On August 28, 2020, the bi-annual soil sampling event was conducted by Environmental Monitoring & Technologies, Inc. (EMT). EMT collected grab soil samples from the facility and submitted them to a certified laboratory for mercury analysis. The analytical results indicated seven of the 89 samples exceeded the site-specific standard of 10 mg/kg. The suspected source of the elevated concentrations in these seven samples was spillage of approximately one gallon of carbon media that occurred during the last GAC changeout event on September 26, 2018. WM Waste was not aware of the release prior to the 2020 sampling event. The changeout was reportedly performed by new employees, and although plastic tarping was used, carbon media was spilled on the ground surface near the carbon vessels on the west side of the facility while being transferred to totes.

Remedial action was taken to address the site-specific exceedances. Over-excavation of contaminated soil was conducted from December 10, 2020 through December 16, 2020. WM Waste personnel over-excavated soils to a depth of approximately 1-foot below ground surface (bgs) based on analytical results around the GAC spill and visual observations. The approximate extent of the excavation is shown on Figure 2. Post-excavation confirmation samples collected from the bottom of the excavation were analyzed at a laboratory

and the sample results were below the site-specific standard of 10 mg/kg as well as the direct contact RCL of 3.13 mg/kg.

WM Waste submitted a Request for No Further Action Letter dated February 15, 2021 that described the remedial action, pre-excavation and post-excavation results and a recommendation for no further action. The WDNR responded with a No Further Action Not Recommended Letter Dated July 14, 2021. The Letter stated a need to further define the degree and extent of contamination and a need to conduct further remedial action if any soil has total mercury concentrations above the RCL. WM Waste responded by submitting a Site Investigation Work Plan Dated October 15, 2021. The WDNR sent a Review of Site Investigation Work Plan Letter Dated March 9, 2022, which agreed with the proposed sampling from the SIWP. The WDNR Correspondence Letters are provided in Attachment 1.

Between the previous remedial action in December of 2020 and the implementation of the SIWP, routine sampling has continued at the site including annual sediment sample collection in the stormwater retention pond and biannual sitewide surficial samples. The annual sediment samples from the stormwater retention pond were collected by Tetra Tech on December 21, 2020 and November 22, 2021. Concentrations of total mercury were present in the pond sediment in both events. Sediment samples collected from the stormwater retention pond have had detections for total mercury since the pond sediment was first analyzed in 2012.

Bi-annual surficial soil sampling was completed by Tetra Tech between April 26, 2022 and April 29, 2022. These samples were collected from the soil just below the grass or gravel surface in an established grid pattern across the site. The sample concentrations of total mercury were below the site-specific limit of 10mg/kg and therefore the WDNR was not notified of the results. The samples in the vicinity of the GAC cleanout spill and excavation area from the bi-annual sampling were used to further characterize the extent of the soil contamination related the spill that remained following the original remedial action. Specifically, biannual sample locations E6, E6a, E7, E7a, F5a, F6, F6a, F7 and F7a, are located within the remediated area or between the GAC location and the paved road to the West. None of the samples from the locations had concentrations above the NR 720 RCL of 3.13 mg/kg for direct contact (RCL) as indicated in Table 1.

Following the biennial soil sampling in April 2022, the SIWP was implemented in two phases (1A and 1B) during May 2022 and July - August 2022, respectively. The activities associated with the SIWP are summarized and described below.

3.0 METHODS OF INVESTIGATION

During the May 2022 Phase 1A Investigation, soil samples were collected at six locations. Soil sample locations are approximately 12 feet beyond the boundary of the December 2020 excavation. Two samples were collected at each sample location, one below the grass or gravel surface and one at 12 inches of depth. In grass areas, sampling was conducted by using a shovel to remove the overburden and expose the soil just below the grass surface. In areas with gravel fill, a shovel was used to remove the gravel to expose native soil. A stainless-steel soil sampling probe or hand auger was also used to aid in sample collection as needed. If there was an obstruction in the sample location, such as pavement, woody vegetation, culverts, or surface water, the sample was taken at an offset to the nearest accessible location. After removal of the overburden, a soil sample was collected by using clean latex gloves. New, clean latex gloves were used for each sample. Between samples, the equipment was decontaminated. After the decontamination process, once every six to eight samples, distilled water was poured over the sampling equipment and collected in a sample container and analyzed for total mercury to confirm the efficiency of the decontamination procedures. Each soil sample location was surveyed with a GPS unit. The May 2022 soil sample locations are shown on Figure 2.

Water samples were taken using new, clean latex gloves. Groundwater samples were collected at the two onsite private wells. Specifically, the samples were collected at spigots outside the buildings after water was discharged or purged for 30 minutes. The private water supply wells at the facility do not have water treatment systems. The surface water in the stormwater retention pond was sampled in two locations: one sample from within the pond and one sample from the pond discharge while it was flowing.

Immediately following collection of the samples, they were placed into appropriate sample containers provided by Pace Laboratories, Green Bay, WI (Pace). The samples were placed on ice in a cooler. The sample coolers were delivered to Pace for total mercury analysis. The decontamination wastewater and disposable sampling items such as nitrile gloves and paper towels were containerized in labeled 55-gallon drums and left at the site for proper disposal at a permitted facility.

4.0 SAMPLE RESULTS AND EVALUATION

4.1 SOIL SAMPLES

The results of the soil sample collection and analysis are summarized in the following text and provided tables and figures.

Initial (Phase 1A) Soil Samples

During the initial (Phase 1A) of the Investigation a total of 12 soil samples and two decontamination water samples were collected in accordance with the SIWP and analyzed in a laboratory for total mercury using United States Environmental Protection Agency (USEPA) Method 7471. The 12 samples were collected at six locations and depths described in Section 3 of this report. Figure 3 shows the sample locations and analytical results. The May 2022 analytical results are summarized on Table 2. Out of the six sample locations, laboratory results showed that the surficial soils at two locations (S4 and S5) had concentrations of total mercury above the RCL of 3.13 mg/kg. The remaining surficial soil samples were below the RCL or non-detect. Although the concentration of total mercury at S1 (3.0mg/kg) was below the RCL, it was determined that step out sampling was appropriate to provide additional confidence in the mercury concentration surrounding this area. None of the samples collected during May 2022 at a depth of one foot below the surface had total mercury detections above the RCL.

Based on the results of the Initial (Phase 1A) investigation, further definition of the extent of mercury impacted soil was necessary to develop an effective and comprehensive remedial action plan. As a result, a Step Out (Phase 1B) Sampling Plan was developed in accordance with the SIWP around the Initial (Phase 1A)

soil sample locations S1, S4 and S5. Figure 3 shows the step out sample locations. The rationale and plan for each of these three locations is summarized below.

Step Out (Phase 1B) Samples

The Step Out samples were collected on July 12, 2022. Due to the July 2022 results, a subsequent or confirmation sample was collected adjacent to the SP4N1 location on August 17, 2022. Step-Out soil sample locations are shown on Figure 3. Samples were collected near the surface and at a depth of one foot below the surface following the same sampling techniques as the initial samples. Additional step out samples were collected around Phase 1A sample locations S1, S4 and S5 because the total mercury concentration approached or exceeded the RCL. Each of the 34 total step out samples were collected between areas that samples exceeded the RCL and/or warranted further investigation and a known boundary delineation. Boundary delineations are further defined for each initial sample point below.

S1 Step-outs

Two step-out samples were collected in three directions from Phase 1A sample point S1 - to the North (SP1N1 and SP1N2), East (SP1E1 and SP1E2) and West (SP1W1 and SP1W2). In each direction the first step out was collected three feet away from S1, then the second sample was collected six feet away from S1. Samples were not collected to the South of S1 because that boundary was delineated by the results at S2 that are below the RCL as well as the previously remediated area. The first step out sample (SP1N1) to the North had a concentration at the surface above the RCL for total mercury, but the second sample (SP1N2) had a concentration below the RCL for total mercury so the delineation boundary for mercury contamination north of S1 was placed between SP1N1 and SP1N2 just south of SP1N2. Both step out samples (SP1E1 and SP1E2) to the east of S1 had total mercury concentration at the surface above the RCL so the delineation boundary to the east of S1 was extended to the edge of the building. The building foundation acts as a barrier to further spread of the surface level contamination. The first step out sample (SP1W1) to the West had a concentration at the surface below the RCL for total mercury, but the second sample (SP1W2) had a concentration above the RCL for total mercury. The delineation boundary for mercury contamination west of S1 was extended to the paved road, which is a higher elevation and impervious to precipitation. These two factors likely hindered the spread of the spilled granular carbon material. Results from the bi-annual samples show that the area to the west of the paved road has total mercury concentrations below the direct contact RCL. The original subsurface sample at S1 and the subsequent subsurface samples all collected at a depth of one foot below the surface had concentrations of total mercury below the RCL, so the vertical delineation boundary of the mercury contamination is to a depth of one foot below the ground surface in the area around S1.

S4 Step-outs

Step-out samples were collected in two directions from Phase 1A soil sample location S4 - to the North (SP4N1 and SP4N2) and West (SP4W1 and SP4W2). Two samples were collected at each sample point. To the North, the first step out sample (SP4N1) was collected approximately three feet North of S4 or one-third the distance between S4 and the access road North of S4. The second sample (SP4N2) was collected at approximately six feet or two-thirds the distance to the access road. The total mercury concentration at the surface in sample SP4N1 was below the RCL. Based on this finding, the road is being used to define the contamination

boundary. The road is at a higher elevation that likely hindered the spread of the spilled granular carbon material. Results from the bi-annual samples and other initial samples show that the area to the north of the road has total mercury concentrations below the direct contact RCL. SPN41B was the only sample out of all the samples taken in Phase 1B investigation to have a concentration higher than the total mercury RCL at the one foot below the surface depth. It was suspected the SP4N1B result might be a field or laboratory error, so the location was resampled again at both depths to confirm the July 2022 result at an offset of four inches from the initial sample location. The samples were labelled SP4N1R and SP4N1BSR. The August 2022 result confirmed the elevated July mercury result at the SP4N1BS (deep) location. Since the concentration of total mercury at SP4N1BS and SP4N1BR were over the RCL at a depth of one foot, the vertical boundary delineation has not been determined in this specific area and will be specifically addressed in the Remedial Action Plan Section of this Report.

Two step-out samples were collected to the West of S4. The first (SP41W) was approximately four feet west S4 and the second (SP4W2) was approximately eight feet west of S4. Sample locations to the West were chosen to set a boundary delineation to the west. Both samples SP4W1 and SP4W2 were over the RCL at the surface, but below the RCL at a depth of one foot. Since both surface samples were over the RCL, the delineation boundary was set at the edge of the paved road to the west of S4 because the paved road is a higher elevation and impervious to precipitation. These two factors likely hindered the spread of the spilled granular carbon material. Results from the bi-annual samples show that the area to the west of the paved road has total mercury concentrations below the direct contact RCL.

S5 Step-outs

Step-out samples were collected to the Northwest (SP5NW1 and SP5NW2), Southwest (SP5SW1 and SP5SW2 and Southeast (SP5SE1, SP5SE2 and SP5SE3). To the Northwest and southwest, the step-out samples were collected to delineate the contamination boundary to the west of S5. To the Northwest, the step-out samples SP5NW1 and SP5NW2 were collected at three and six feet away from S5, respectively. S5NW1 had a total mercury concentration that exceeded the RCL at the surface and SP5NW2 had a total mercury concentration that was below the RCL. Based on these findings in the Northeast direction from S5 the contamination boundary was delineated just Southeast of sample SP5NW2. To the Southwest the step-out samples SP5SW1 and SP5SW2 were collected at four and eight feet away from S5. SP5SW1 and SP5SW2 had total mercury concentrations that were below the RCL. Based on these findings in the Southeast direction from S5, the contamination boundary was delineated just Northeast of sample SP5SW1. Sample S6 is located to the Southeast of S5 and had a concentration that was below the RCL for total mercury. To define the contamination boundary, the area between S5 and S6 was divided into three equally distanced step-out samples to delineate the boundary of contamination between them (SP5SE1, SP5SE2 and SP5SE3). SP5SE1, SP5SE2 and SP5SE3 all had concentrations of total mercury at the surface that exceeded the RCL. Based on these findings the contamination delineation boundary in the Southeast was placed directly North of S6. None of the step-out samples collected around S5 at a depth of one foot below the ground surface exhibited concentrations above the RCL. As a result, the contamination depth in the vicinity of S5 is delineated at one foot below the surface.

The surficial soil in the area as well as the unconsolidated deposits are made up of clay that extends to between 40 and 120 feet below the ground surface. The groundwater is at a depth of approximately 100 feet below the ground surface as noted in the surficial soils, geology and hydrology sections of the SIWP submitted to the WDNR on October 15, 2021. The thick clay deposit and depth to groundwater acts as a substantial barrier between the residual mercury contaminated soil and the groundwater. Groundwater contact is not anticipated as the results of the water supply well samples in the Section 4.2 of this report confirm.

The step out samples collected aroundS1, S4 and S5 were performed in accordance with the SIWP. The results of step-out sampling showed surficial concentrations above the 3.13 mg/kg limit in 12 of the 17 step-out locations. One step-out location had a concentration above the 3.13 mg/kg limit one foot below the surface depth. Figures 3 shows the step sample results as they relate to the delineation boundaries and the Table 3 shows the results in tabular form.

4.2 WATER SAMPLES

Water quality of the samples collected from the stormwater retention pond and the two water supply wells onsite were analyzed for total mercury using USEPA Method 7470. The sample locations are shown on Figure 3. The laboratory results are summarized in Table 2 and in the laboratory reports in Attachment 2. Samples were collected in accordance with the Sample and Analysis section of the SIWP on May 24, 2022. Total mercury was not detected in either of the two onsite water supply well samples (PW-1 and PW-2). The surface water in the stormwater pond and the stormwater pond discharge had detectable concentrations of total mercury. The sample collected in the pond had a concentration of 0.90 ug/L and the sample collected from the pond discharge had a concentration of 0.42ug/L. There is not an established standard to compare surface water concentrations. Once the Remedial Action Plan is implemented for the contaminated soil, it will no longer be a potential source of contamination for the surface water at the site and concentrations should decrease.

5.0 REMEDIAL ACTION PLAN

The proposed Remedial Action Plan (RAP) is based on analytical and field data collected from various investigations of the soil, surface water and groundwater, an understanding of the geology beneath and surrounding the facility, topographic conditions, and an assessment of the likely movement of the mercury impacted GAC near the spill area. The RAP proposes to excavate soil adjacent and surrounding portions of the previously performed soil excavation at the facility. The boundary of the expanded excavation area will be either set by a sample with a detection less than the RCL or by an impermeable surface such as a paved road or an area of greater elevation that would reasonably prevent mercury dispersion.

Soil samples used to designate the proposed excavation area were collected on May 24, 2022, July 12, 2022, and August 17, 2022. The proposed excavation will encompass two areas, one to the north around exceedances found at S1 and its associated step-out locations (Area A), and a second to the southwest of the previously remediated area in December 2020 surrounding S4 and S5 and their associated step-out samples (Area B). The remediation area will be excavated to a depth of one foot and encompass the boundaries

delineated by soil sample results, the previous remediated area and the manmade features such as roads and buildings as shown on Figure 4. At the location of SP4N1 and SP4N1R, a 5-foot diameter area will be excavated to a depth of one and a half feet to account for the mercury concentration over the RCL limit of 3.13 mg/kg at the 12 inches below ground surface.

The soil will be excavated with a backhoe or front-end bucket loader by site personnel. The soil will be loaded into roll-off containers for disposal. The excavation activities will be performed under the direction of a consultant. Given the limited depth of the excavation, six confirmation samples will be collected from the floor of the excavation following the completion of the excavation in Area A. The samples will be evenly spaced across the bottom of the excavation with four samples collected in the area located to the North and Northwest of the previously excavated area and two samples collected in the southern section of Area A to the west of the previously excavated area.

Seven confirmation samples will be collected from the base of the Area B excavation. Similar to Area A, the samples collected in Area B will be evenly spaced with five samples collected in the area to the West of the previously excavated area and two to the southwest of the previously excavated area. One confirmation sample will be collected within the five-foot radius around SP4N1 and SP4N1R that will be excavated to greater depth than the other excavation areas.

The confirmation samples will be shipped to a certified laboratory. The Area A and B excavations will stay open until confirmation sample results are received. The proposed excavation areas and confirmation sample locations are shown on Figure 4. If a confirmation sample exceeds the RCL, that area will be further excavated, and an additional confirmation sample or samples will be collected and analyzed until the concentration in the remaining soil is below the RCL. Excavation procedures will be considered complete once the soil sample results within the excavated or remediated areas are analyzed below the RCL. Upon completion of the remediation activities, the roll-off containers will be removed from site and disposed under proper chain-of-custody. The excavated areas will be backfilled with clean topsoil, general fill and/or gravel from a local supplier.

Once the on-site remediation activities are completed, a report will be prepared summarizing the remediation activities, confirmation sample results, soil disposal documentation and final dimensions of the excavated areas. The report will include a Request for No Further Action submitted to the WDNR.

WM plans to complete the soil excavation and backfilling activities during 2022 before the ground freezes. The remediation is anticipated to begin during October or early November 2022 and take less than two weeks to complete depending on confirmation sample results and laboratory turnaround times.

If you have any questions, concerns, or need further clarification, please contact Lee Daigle at (951) 236-2526 or lee.daigle@tetratech.com.

Sincerely,

Cornerstone Environmental Group, LLC - A Tetra Tech Company

C. Lee

Lee Daigle, P.E. Client Manager

John Oswald, P.G. Central Area Manager

Enclosures:

Tables:

Table 1 – Summary of April 2022 Analytical Soil Results

Table 2 – Summary of May 2022 Analytical Soil and Water Results

Table 3 – Summary of July and August 2022 Soil Analytical Results

Figures:

Figure 1 – Site Location Map Figure 2 – Site Investigation Sample Locations Figure 3 – Remedial Excavation Area Boundary Figure 4 – Remedial Confirmation Sample Locations

Attachments: Attachment 1 – WDNR Correspondence Attachment 2 – Laboratory Reports

Cc: Sixto Ortiz – WM Michelle Gale – WM Mark Noel – WM Steven Smolko – WM Todd Washburn – WM David Crass – Michael Best & Friedrich, LLP



Table 1Summary of April 2022 Sample Analytical ResultsBi-Annual SamplingWM Waste, Inc.Union Grove, Wisconsin

Client Project	Sample ID	Lab ID	Collected Date	Method	Matrix	Parameter	Results	Units	PQL
WM Waste, Inc.	E-6	40244305030	04/29/2022 08:50	EPA 7471	Solid	Mercury	0.18	mg/kg	0.034
WM Waste, Inc.	E-6A	40244305031	04/29/2022 10:15	EPA 7471	Solid	Mercury	0.26	mg/kg	0.035
WM Waste, Inc.	E-7	40244305032	04/29/2022 10:45	EPA 7471	Solid	Mercury	0.13	mg/kg	0.036
WM Waste, Inc.	E-7A	40244305033	04/29/2022 11:15	EPA 7471	Solid	Mercury	0.087	mg/kg	0.036
WM Waste, Inc.	F-5A	40244305044	04/27/2022 13:30	EPA 7471	Solid	Mercury	0.69	mg/kg	0.048
WM Waste, Inc.	F-6	40244305045	04/27/2022 13:40	EPA 7471	Solid	Mercury	0.70	mg/kg	0.041
WM Waste, Inc.	F-6A	40244305046	04/27/2022 13:50	EPA 7471	Solid	Mercury	0.26	mg/kg	0.041
WM Waste, Inc.	F-7	40244305047	04/27/2022 14:55	EPA 7471	Solid	Mercury	2.4	mg/kg	0.095
WM Waste, Inc.	F-7A	40244305048	04/27/2022 15:05	EPA 7471	Solid	Mercury	1.3	mg/kg	0.047

Notes:

1) Samples denoted with an "A" were taken at a depth of 12" below surface. Samples not denoted with an "A" were taken at the surface.

2) Tetra Tech collected 2022 soil sample results 4-26-2022 through 4-29-2022.

Prepared By: RME Checked By: DJP



Table 2Summary of May 2022 Sample Analytical ResultsPhase 1A InvestigationWM Waste, Inc.Union Grove, Wisconsin

Client Project	Sample ID	Lab ID	Collected Date	Method	Matrix	Parameter	Results	Units	PQL
WM Waste, Inc.	S6A	40245577006	05/24/2022 13:45	EPA 7471	Solid	Mercury	0.036 J	mg/kg	0.040
WM Waste, Inc.	S6	40245578006	05/24/2022 13:30	EPA 7471	Solid	Mercury	1.9	mg/kg	0.039
WM Waste, Inc.	S5A	40245577005	05/24/2022 13:20	EPA 7471	Solid	Mercury	0.89	mg/kg	0.040
WM Waste, Inc.	S5	40245578005	05/24/2022 13:10	EPA 7471	Solid	Mercury	185	mg/kg	22.2
WM Waste, Inc.	S4A	40245577004	05/24/2022 13:00	EPA 7471	Solid	Mercury	0.051	mg/kg	0.044
WM Waste, Inc.	S4	40245578004	05/24/2022 12:45	EPA 7471	Solid	Mercury	753	mg/kg	39.6
WM Waste, Inc.	S3A	40245577003	05/24/2022 12:00	EPA 7471	Solid	Mercury	0.49	mg/kg	0.039
WM Waste, Inc.	S3	40245578003	05/24/2022 11:50	EPA 7471	Solid	Mercury	0.66	mg/kg	0.041
WM Waste, Inc.	S2A	40245577002	05/24/2022 11:40	EPA 7471	Solid	Mercury	0.16	mg/kg	0.046
WM Waste, Inc.	S2	40245578002	05/24/2022 11:30	EPA 7471	Solid	Mercury	1.1	mg/kg	0.046
WM Waste, Inc.	S1A	40245577001	05/24/2022 11:15	EPA 7471	Solid	Mercury	0.53	mg/kg	0.039
WM Waste, Inc.	S1	40245578001	05/24/2022 11:00	EPA 7471	Solid	Mercury	3.0	mg/kg	0.081
WM Waste, Inc.	PW1	40245579003	05/24/2022 10:30	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	PW2	40245579004	05/24/2022 10:00	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	POND DISCHARGE	40245579002	05/24/2022 09:10	EPA 7470	Water	Mercury	0.42	ug/L	0.20
WM Waste, Inc.	POND SURFACE	40245579001	05/24/2022 09:00	EPA 7470	Water	Mercury	0.90	ug/L	0.20
WM Waste, Inc.	RINSE #1	40245579005	05/24/2022 12:15	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	RINSE #2	40245579006	05/24/2022 14:00	EPA 7470	Water	Mercury	<0.066	ug/L	0.20

Notes:

1) Samples denoted with an "A" were taken at a depth of 12" below surface. Samples not denoted with an "A" were taken at the surface.

2) The above Site Investigation Work Plan sample locations were approved by the WDNR on March 9, 2022 (Attachment 1).

3) Total Mercury concentration results designated with a "J" Qualifier are estimated concentrations greater than the limit of detection and less than the limit of quantitation

Prepared By: RME Checked By: DP



Table 3Summary of July and August 2022 Sample Analytical ResultsPhase 1B InvestigationWM Waste, Inc.Union Grove, Wisconsin

Client Project	Sample ID	Lab ID	Collected Date	Method	Matrix	Parameter	Results	Units	PQL
WM Waste, Inc.	4N1B	40250049002	08/17/2022 11:30	EPA 7471	Solid	Mercury	11.9	mg/kg	0.37
WM Waste, Inc.	4N1	40250049001	08/17/2022 11:20	EPA 7471	Solid	Mercury	0.038 J	mg/kg	0.041
WM Waste, Inc.	SP5SE3BS	40248114034	07/12/2022 17:10	EPA 7471	Solid	Mercury	0.57	mg/kg	0.36
WM Waste, Inc.	SP5SE3S	40248114033	07/12/2022 17:05	EPA 7471	Solid	Mercury	3.4	mg/kg	0.40
WM Waste, Inc.	SP5SE2BS	40248114032	07/12/2022 16:50	EPA 7471	Solid	Mercury	0.87	mg/kg	0.39
WM Waste, Inc.	SP5SE2S	40248114031	07/12/2022 16:45	EPA 7471	Solid	Mercury	7.0	mg/kg	0.42
WM Waste, Inc.	SP5SE1BS	40248114030	07/12/2022 16:35	EPA 7471	Solid	Mercury	1.7	mg/kg	0.40
WM Waste, Inc.	SP5SE1S	40248114029	07/12/2022 16:30	EPA 7471	Solid	Mercury	5.2	mg/kg	0.39
WM Waste, Inc.	SP5SW2BS	40248114028	07/12/2022 16:15	EPA 7471	Solid	Mercury	0.42	mg/kg	0.035
WM Waste, Inc.	SP5SW2S	40248114027	07/12/2022 16:10	EPA 7471	Solid	Mercury	2.1	mg/kg	0.40
WM Waste, Inc.	SP5SW1BS	40248114026	07/12/2022 16:00	EPA 7471	Solid	Mercury	0.10	mg/kg	0.035
WM Waste, Inc.	SP5SW1S	40248114025	07/12/2022 15:55	EPA 7471	Solid	Mercury	0.60	mg/kg	0.36
WM Waste, Inc.	SP5NW2BS	40248114024	07/12/2022 15:35	EPA 7471	Solid	Mercury	0.054	mg/kg	0.036
WM Waste, Inc.	SP5NW2S	40248114023	07/12/2022 15:30	EPA 7471	Solid	Mercury	1.7	mg/kg	0.40
WM Waste, Inc.	SP5NW1BS	40248114022	07/12/2022 15:10	EPA 7471	Solid	Mercury	0.34	mg/kg	0.038
WM Waste, Inc.	SP5NW1S	40248114021	07/12/2022 15:05	EPA 7471	Solid	Mercury	7.5	mg/kg	0.37
WM Waste, Inc.	SP4W2BS	40248114020	07/12/2022 14:45	EPA 7471	Solid	Mercury	0.11	mg/kg	0.037
WM Waste, Inc.	SP4W2S	40248114019	07/12/2022 14:40	EPA 7471	Solid	Mercury	48.1	mg/kg	2.0
WM Waste, Inc.	SP4W1BS	40248114018	07/12/2022 14:20	EPA 7471	Solid	Mercury	0.46	mg/kg	0.037
WM Waste, Inc.	SP4W1S	40248114017	07/12/2022 14:15	EPA 7471	Solid	Mercury	114	mg/kg	3.6
WM Waste, Inc.	SP4N2BS	40248114016	07/12/2022 12:55	EPA 7471	Solid	Mercury	1.1	mg/kg	0.038
WM Waste, Inc.	SP4N2S	40248114015	07/12/2022 12:50	EPA 7471	Solid	Mercury	71.9	mg/kg	2.0
WM Waste, Inc.	SP4N1BS	40248114014	07/12/2022 12:35	EPA 7471	Solid	Mercury	69.1	mg/kg	1.8



Table 3Summary of July and August 2022 Sample Analytical ResultsPhase 1B InvestigationWM Waste, Inc.Union Grove, Wisconsin

Client Project	Sample ID	Lab ID	Collected Date	Method	Matrix	Parameter	Results	Units	PQL
WM Waste, Inc.	SP4N1S	40248114013	07/12/2022 12:30	EPA 7471	Solid	Mercury	0.081	mg/kg	0.039
WM Waste, Inc.	SP1W2BS	40248114012	07/12/2022 12:10	EPA 7471	Solid	Mercury	0.71	mg/kg	0.040
WM Waste, Inc.	SP1W2S	40248114011	07/12/2022 12:05	EPA 7471	Solid	Mercury	3.7	mg/kg	0.080
WM Waste, Inc.	SP1W1BS	40248114010	07/12/2022 11:45	EPA 7471	Solid	Mercury	0.30	mg/kg	0.039
WM Waste, Inc.	SP1W1S	40248114009	07/12/2022 11:40	EPA 7471	Solid	Mercury	0.36	mg/kg	0.039
WM Waste, Inc.	SP1E2BS	40248114008	07/12/2022 11:25	EPA 7471	Solid	Mercury	2.7	mg/kg	0.079
WM Waste, Inc.	SP1E2S	40248114007	07/12/2022 11:20	EPA 7471	Solid	Mercury	6.3	mg/kg	0.20
WM Waste, Inc.	SP1E1BS	40248114006	07/12/2022 11:00	EPA 7471	Solid	Mercury	0.32	mg/kg	0.039
WM Waste, Inc.	SP1E1S	40248114005	07/12/2022 10:55	EPA 7471	Solid	Mercury	4.7	mg/kg	0.20
WM Waste, Inc.	SP1N2BS	40248114004	07/12/2022 10:45	EPA 7471	Solid	Mercury	0.27	mg/kg	0.041
WM Waste, Inc.	SP1N2S	40248114003	07/12/2022 10:40	EPA 7471	Solid	Mercury	2.2	mg/kg	0.075
WM Waste, Inc.	SP1N1BS	40248114002	07/12/2022 10:35	EPA 7471	Solid	Mercury	0.22	mg/kg	0.040
WM Waste, Inc.	SP1N1S	40248114001	07/12/2022 10:30	EPA 7471	Solid	Mercury	3.8	mg/kg	0.084
WM Waste, Inc.	RINSE #1	40248114035	07/12/2022 11:30	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	RINSE #2	40248114036	07/12/2022 13:00	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	RINSE #3	40248114037	07/12/2022 15:40	EPA 7470	Water	Mercury	<0.066	ug/L	0.20
WM Waste, Inc.	RINSE #4	40248114038	07/12/2022 17:20	EPA 7470	Water	Mercury	<0.066	ug/L	0.20

Notes:

1) Samples denoted with a "BS" were taken at a depth of 12" below surface. Samples denoted with a "S" were taken at the surface. Samples denoted "4N1" and "4N1B" are resembled on the planview sheet as "SP4N1R".

2) Total Mercury concentration results designated with a"J" qualifier are estimated concentrations greater than the limit of quantitation

Prepared By: RME Checked By: DP





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											TETRA TECI
	REV	DATE	DESCRIPTION		DWN BY	DES BY	CHK BY	APP BY			
	DAT OC	e of Issue T. 2022	drawn byF designed byF	RME RME	CHECKED I APPROVED I	BYl BY	_RS/CL JCO	_D		ALL PROFESSIONAL ENGINEERIN	NG WORK IS PERFORMED BY DULY LICENSED PROFESSIONAL ENGINEERS UND APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

This drawing represents intellectual property of Tetra Tech. Any modification to the original by other than Tetra Tech personnel violates its original purpose and as such is rendered void. Tetra Tech will not be held liable for any changes made to this document without express written consent of the originator.



_____1400_____

_____1402 _____

PROPERTY BOUNDARY SOIL SAMPLE LOCATION AND IDENTIFICATION PRIVATE WELL SAMPLE LOCATION AND IDENTIFICATION (0.00) (TOP) SOIL TOTAL MERCURY CONCENTRATION AT SURFACE - mg/kg (0.00) (BOTTOM) SOIL TOTAL MERCURY CONCENTRATION 12" BELOW SURFACE - mg/kg

> WATER MERCURY CONCENTRATION EXISTING 10' CONTOUR EXISTING 2' CONTOUR APPROX. EXTENT OF DECEMBER 2020 EXCAVATION

NOTES:

LEGEND

- 1. TETRA TECH COLLECTED SOIL SAMPLES, SURFACE WATER SAMPLES, AND PRIVATE WELL SAMPLES ON 5/24/2022.
- 2. SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD.
- 3. TOTAL MERCURY CONCENTRATION RESULTS WERE REPORTED BY PACE ANALYTICAL JUNE 6, 2022 AND JUNE 7, 2022.
- 4. TOTAL MERCURY CONCENTRATION RESULTS DESIGNATED WITH A "J" QUALIFIER ARE ESTIMATED CONCENTRATIONS GREATER THAN THE LIMIT OF DETECTION AND LESS THAN THE LIMIT OF QUANTITATION.
- 5. THE 2017 EXISTING SURFACE IS TAKEN FROM THE WI STATE CARTOGRAPHER'S OFFICE.





WM WASTE, INC. UNION GROVE, WISCONSIN 2022 SITE INVESTIGATION REPORT AND **REMEDIAL ACTION PLAN** SITE INVESTIGATION SAMPLING LOCATIONS





LEGEND



PROPERTY BOUNDARY

SOIL SAMPLE LOCATION AND IDENTIFICATION

(0.00) (TOP) SOIL TOTAL MERCURY CONCENTRATION AT SURFACE - mg/kg (0.00) (BOTTOM) SOIL TOTAL MERCURY CONCENTRATION 12" BELOW SURFACE - mg/kg

SOIL MERCURY CONCENTRATION BELOW GRASS LAYER - mg/kg

EXISTING 10' CONTOUR

EXISTING 2' CONTOUR

APPROX. EXTENT OF DECEMBER 2020 EXCAVATION

PROPOSED 2022 EXCAVATION AREA BOUNDARY (1 FOOT DEPTH)

NOTES: 2022 BI-ANNUAL:

- 1. TETRA TECH COLLECTED SOIL SAMPLES 4/26/2022 THROUGH 4/29/2022.
- 2. SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD BASED ON HISTORICAL SAMPLE LOCATION MAP PROVIDED BY WASTE MANAGEMENT.
- 3. TOTAL MERCURY CONCENTRATION RESULTS WERE REPORTED BY PACE ANALYTICAL MAY 16, 2022.
- 4. TOTAL MERCURY CONCENTRATION RESULTS DESIGNATED WITH A "J" QUALIFIER ARE ESTIMATED CONCENTRATIONS GREATER THAN THE LIMIT OF DETECTION AND LESS THAN THE LIMIT OF QUANTITATION.
- 5. THE 2017 EXISTING SURFACE IS TAKEN FROM THE WI STATE CARTOGRAPHER'S OFFICE.

NOTES: SP1-SP6

- 1. TETRA TECH COLLECTED SOIL SAMPLES, SURFACE WATER SAMPLES, AND PRIVATE WELL SAMPLES ON 5/24/2022.
- 2. SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD.
- 3. TOTAL MERCURY CONCENTRATION RESULTS WERE REPORTED BY PACE ANALYTICAL JUNE 6, 2022 AND JUNE 7, 2022.
- 4. TOTAL MERCURY CONCENTRATION RESULTS DESIGNATED WITH A "J" QUALIFIER ARE ESTIMATED CONCENTRATIONS GREATER THAN THE LIMIT OF DETECTION AND LESS THAN THE LIMIT OF QUANTITATION.

NOTES: STEP OUT SAMPLING:

- 1. TETRA TECH COLLECTED SOIL SAMPLES ON 7/12/2022.
- 2. SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD.
- 3. TOTAL MERCURY CONCENTRATION RESULTS WERE REPORTED BY PACE ANALYTICAL JULY 28, 2022.

NOTES: SP4N1 RE-SAMPLE:

- 1. RE-SAMPLE LOCATION IS DENOTED AS SP4N1R LOCATED 4" TO THE EAST OF SP4N1.
- 2. TETRA TECH COLLECTED SOIL SAMPLE ON 8/17/2022.
- 3. SAMPLE LOCATION WAS SURVEYED IN THE FIELD.
- 4. TOTAL MERCURY CONCENTRATION RESULT WAS REPORTED BY PACE ANALYTICAL AUGUST 22, 2022.





FIGURE NO. WM WASTE, INC. UNION GROVE, WISCONSIN 3 2022 SITE INVESTIGATION REPORT AND **REMEDIAL ACTION PLAN** PROJECT NO. **REMEDIAL EXCAVATION AREA BOUNDARY** 4221563



LEGEND



PROPERTY BOUNDARY SOIL SAMPLE LOCATION AND IDENTIFICATION EXISTING 10' CONTOUR EXISTING 2' CONTOUR APPROX. EXTENT OF DECEMBER 2020 EXCAVATION PROPOSED 2022 EXCAVATION AREA BOUNDARY (1 FOOT OF DEPTH)

PROPOSED 2022 5 FOOT RADIUS EXCAVATION AREA BOUNDARY (1.5 FOOT OF DEPTH)

○ R14 CONFIRMATION SAMPLE LOCATION

NOTES: EXCAVATION AND REMEDIATION

- 1. TETRA TECH WILL SURVEY EXCAVATION BOUNDARIES AND CONFIRMATION SAMPLE LOCATIONS FOLLOWING EXCAVATION.
- 2. THE PROPOSED EXCAVATION AREAS (AREA A AND AREA B) WILL BE EXCAVATED TO A DEPTH OF ONE FOOT BELOW HE GROUND SURFACE. THE FIVE FOOT RADIUS AROUND SP4N1 & SP4N1R WILL BE EXCAVATED TO A DEPTH OF 1.5 FEET BELOW THE GROUND SURFACE.
- 3. THE 2017 EXISTING SURFACE IS TAKEN FROM THE WI STATE CARTOGRAPHER'S OFFICE.







ATTACHMENT 1 – WDNR CORRESPONDENCE

State of Wisconsin DEPARTMENT OF NATURAL RESOURCES 890 Spruce Street Baldwin, WI 54002

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



July 14, 2021

Sixto Ortiz WM Waste, Inc. 800 Capitol Street 28th floor Houston, TX 77002

Subject: No Further Action Not Recommended WM Waste, Inc Facility, 21211 Durand Avenue, Union Grove, Racine County, Wisconsin DNR BRRTS Activity # 02-52-586974 FID #: 252195350

Dear Mr. Ortiz:

On June 3rd, the Wisconsin Department of Natural Resources (DNR) reviewed the No Further Action request for the case identified above. As you are aware, the DNR reviews environmental remediation cases for compliance with applicable laws, including Wis. Stat. ch. 292 and Wis. Admin. Code chs. NR 700 – 754 and whether any further threat to public health, safety or welfare or the environment exists at the site or facility, per Wis. Admin. Code § NR 726.13 (2) (b). As discussed with your consultant on 6/15/21, case closure is not recommended because additional legal requirements must be met. The purpose of this letter is to inform you of the remaining requirements for obtaining closure.

Need to Define the Degree and Extent of Contamination

Additional soil, groundwater, surface water, sediment, sampling is needed to define the degree and extent of contamination per Wis. Admin. Code § NR 716.11. Based on the identified soil impacts additional investigation is needed to establish the extent and magnitude of the release to the environment. This includes but is not limited to the soil previously identified as having impacts but also, the adjacent pond and pertaining sediments, and on-site groundwater.

Need to Conduct Additional Remedial Action

Additional remedial action is needed to comply with the closure criteria of Wis. Admin. Code ch. NR 726. Excavations of impacted soils were completed using the hazardous waste site-specific standard of 10ppb. The site-specific standard for mercury is a permitted number but not a standard used nor allowed for a release to the environment. Remedial actions addressing impacts to the environment are required to meet residual contaminant limits (RCLs). The direct contact RCL for mercury is 3.13 mg/kg and the groundwater (leachability to groundwater) RCL is 0.208 mg/kg.

Schedule

Within 60 days of the date of this letter, respond in writing with a schedule of your plans to meet these requirements.

Until requirements are met, your site will remain "open" and you are required to submit semi-annual progress reports, per Wis. Admin. Code § NR 700.11. You are also responsible for any operation and maintenance activities required under Wis. Admin. Code § NR 724.13. Once the additional work has been completed, documentation should be submitted to the DNR to demonstrate that the applicable requirements have been met.

Conclusion

If you have any questions regarding the information in this letter or would like to schedule a meeting to discuss this case, please contact the DNR project manager, Candace Sykora at 715-928-0452. For more information on the closure reconsideration process, please see DNR publication, RR-102, "Wis. Admin. Code ch. NR 726 Case Closure Reconsideration Process" by visiting dnr.wi.gov, search: RR-102, for more information.

The DNR appreciates your efforts to restore the environment at this site.

Sincerely,

Candace Sykora Hydrogeologist Remediation & Redevelopment Wisconsin Department of Natural Resources 890 Spruce St, Baldwin, WI 54002 Phone: 715-928-0452 Candace.sykora@wisconsin.gov

cc: Lee Daigle, Tetra Tech



State of Wisconsin DEPARTMENT OF NATURAL RESOURCES 890 Spruce Street Baldwin, WI 54002

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



March 9, 2022

Sixto Ortiz WM Waste, Inc. 800 Capitol Street 28th Floor Houston, TX 77002

Re:

Review of Site Investigation Work Plan WM Waste, Inc Facility, 21211 Durand Avenue, Union Grove, Racine County, WI 53182 DNR BRRTS Activity #02-52-586974 FID#: 252195350

Dear Mr. Ortiz:

Thank you for the submittal of Site Investigation Work Plan (Report) to the Wisconsin Department of Natural Resources (WDNR), received on October 15, 2021. The report was prepared by Tetra Tech on behalf of WM waste, Inc. The SIWP has been prepared in response to a letter to a WDNR letter dated July 14, 2021.

The purpose of this SIWP is to complete a site investigation to define the extend and magnitude of residual contamination associated with the release of impacted carbon during change-out activities. The extent of soil contamination in the vicinity of the granular activated carbon (GACs) spill will be defined by collecting soil samples from six locations to the north, west and south of the area of the spill. The sample locations are 12 feet beyond the boundary of the previously excavated area. Soils samples (S1-S6) will be analyzed for Total Mercury. If lab results indicate mercury levels within the soil samples are above the direct contact residual contaminant limits (RCLs) of 3.3mg/L, additional soil samples will be collected in a step out phase. One surface water sample will be collected from the stormwater pond. A sample will be collected from each of the two private water supply wells.

Based on the review of the report the WDNR agrees with the sampling proposed and understands that upon receiving laboratory results additional sampling may be necessary to define the extent of impacted media. One note is to establish that the laboratory limit of detection is set low enough to compare the RCL for groundwater (0.208mg/kg) in soil.

If you have any further questions or concerns, please feel free to contact me at any time.

Candace Sykora

Candace Sykora Hydrogeologist West Central Region Remediation and Redevelopment Email: <u>Candace.sykora@gmail.com</u> Phone: (715) 928-0452



ATTACHMENT 2 – LABORATORY REPORTS

BI-ANNUAL SAMPLING ANALYTICAL RESULTS



May 16, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221498 WM MERCURY WASTE Pace Project No.: 40244305

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milenty

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





CERTIFICATIONS

Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 209-4221498 WM MERCURY WASTE

Pace Project No .:

No.: 40244305

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244305001	A-2	Solid	04/28/22 10:40	05/03/22 10:00
40244305002	A-2A	Solid	04/28/22 10:50	05/03/22 10:00
40244305003	A-9	Solid	04/28/22 08:10	05/03/22 10:00
40244305004	A-9A	Solid	04/28/22 08:30	05/03/22 10:00
40244305005	A-9B	Solid	04/28/22 08:40	05/03/22 10:00
40244305006	A-9C	Solid	04/28/22 08:50	05/03/22 10:00
40244305007	B-1A	Solid	04/28/22 11:00	05/03/22 10:00
40244305008	B-2	Solid	04/28/22 13:35	05/03/22 10:00
40244305009	B-2A	Solid	04/28/22 14:30	05/03/22 10:00
40244305010	B-3	Solid	04/28/22 11:15	05/03/22 10:00
40244305011	B-9	Solid	04/28/22 09:00	05/03/22 10:00
40244305012	B-9A	Solid	04/28/22 09:10	05/03/22 10:00
40244305013	B-9B	Solid	04/28/22 09:20	05/03/22 10:00
40244305014	B-9C	Solid	04/28/22 09:30	05/03/22 10:00
40244305015	C-1	Solid	04/28/22 11:30	05/03/22 10:00
40244305016	C-2	Solid	04/28/22 11:45	05/03/22 10:00
40244305017	C-9	Solid	04/28/22 09:40	05/03/22 10:00
40244305018	D-2	Solid	04/28/22 11:55	05/03/22 10:00
40244305019	D-3	Solid	04/28/22 12:10	05/03/22 10:00
40244305020	D-4	Solid	04/29/22 11:55	05/03/22 10:00
40244305021	D-4C	Solid	04/29/22 12:40	05/03/22 10:00
40244305022	D-9	Solid	04/27/22 18:25	05/03/22 10:00
40244305023	D-9A	Solid	04/27/22 18:30	05/03/22 10:00
40244305024	D-9B	Solid	04/27/22 18:35	05/03/22 10:00
40244305025	D-9C	Solid	04/27/22 18:55	05/03/22 10:00
40244305026	E-2	Solid	04/27/22 16:10	05/03/22 10:00
40244305027	E-3	Solid	04/27/22 16:25	05/03/22 10:00
40244305028	E-4	Solid	04/27/22 16:45	05/03/22 10:00
40244305029	E-4A	Solid	04/28/22 15:30	05/03/22 10:00
40244305030	E-6	Solid	04/29/22 08:50	05/03/22 10:00
40244305031	E-6A	Solid	04/29/22 10:15	05/03/22 10:00
40244305032	E-7	Solid	04/29/22 10:45	05/03/22 10:00
40244305033	E-7A	Solid	04/29/22 11:15	05/03/22 10:00
40244305034	E-9	Solid	04/27/22 17:40	05/03/22 10:00
40244305035	E-9A	Solid	04/27/22 17:50	05/03/22 10:00
40244305036	E-9B	Solid	04/27/22 18:05	05/03/22 10:00
40244305037	E-9C	Solid	04/27/22 18:10	05/03/22 10:00



SAMPLE SUMMARY

Project: 209-4221498 WM MERCURY WASTE

40244305

Pace Project No.:

40244305072

40244305073

40244305074

I-1

I-2

I-3

Lab ID Sample ID Matrix **Date Collected** Date Received 40244305038 F-1 Solid 04/27/22 10:45 05/03/22 10:00 F-2 40244305039 Solid 04/27/22 10:55 05/03/22 10:00 40244305040 F-3 Solid 04/27/22 11:05 05/03/22 10:00 40244305041 F-4 04/27/22 11:15 Solid 05/03/22 10:00 40244305042 F-4A Solid 04/27/22 11:40 05/03/22 10:00 40244305043 F-5 Solid 04/27/22 13:15 05/03/22 10:00 40244305044 F-5A Solid 04/27/22 13:30 05/03/22 10:00 40244305045 F-6 Solid 04/27/22 13:40 05/03/22 10:00 40244305046 F-6A Solid 04/27/22 13:50 05/03/22 10:00 40244305047 F-7 Solid 04/27/22 14:55 05/03/22 10:00 04/27/22 15:05 40244305048 F-7A Solid 05/03/22 10:00 40244305049 04/27/22 15:20 F-8 Solid 05/03/22 10:00 40244305050 F-9 Solid 04/27/22 15:40 05/03/22 10:00 40244305051 F-9A Solid 04/27/22 15:45 05/03/22 10:00 40244305052 G-1 Solid 04/27/22 08:15 05/03/22 10:00 40244305053 G-2 Solid 04/27/22 09:00 05/03/22 10:00 40244305054 04/27/22 09:10 G-3 Solid 05/03/22 10:00 40244305055 G-4 Solid 04/27/22 09:20 05/03/22 10:00 40244305056 G-5 Solid 04/27/22 09:30 05/03/22 10:00 40244305057 04/27/22 09:35 G-6 Solid 05/03/22 10:00 40244305058 G-7 Solid 04/27/22 09:45 05/03/22 10:00 40244305059 G-8 Solid 04/27/22 10:00 05/03/22 10:00 40244305060 Solid 04/27/22 10:10 G-9 05/03/22 10:00 40244305061 Solid 04/27/22 10:15 G-9A 05/03/22 10:00 40244305062 H-1 Solid 04/26/22 15:30 05/03/22 10:00 40244305063 04/26/22 16:10 H-2 Solid 05/03/22 10:00 40244305064 H-3 Solid 04/26/22 16:20 05/03/22 10:00 40244305065 H-4 Solid 04/26/22 16:40 05/03/22 10:00 04/26/22 17:00 40244305066 H-5 Solid 05/03/22 10:00 40244305067 H-6 Solid 04/26/22 17:10 05/03/22 10:00 40244305068 H-7 04/26/22 17:20 Solid 05/03/22 10:00 40244305069 H-8 Solid 04/26/22 17:35 05/03/22 10:00 05/03/22 10:00 40244305070 H-9 Solid 04/26/22 17:50 40244305071 H-9A Solid 04/26/22 18:10 05/03/22 10:00

REPORT OF LABORATORY ANALYSIS

Solid

Solid

Solid

04/26/22 10:25

04/26/22 14:00

04/26/22 14:25

05/03/22 10:00

05/03/22 10:00

05/03/22 10:00



SAMPLE SUMMARY

Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244305075		Solid	04/26/22 14:45	05/03/22 10:00
40244305076	I-5	Solid	04/26/22 15:00	05/03/22 10:00
40244305077	I-6	Solid	04/26/22 15:15	05/03/22 10:00
40244305078	RINSE # 1	Water	04/26/22 18:00	05/03/22 10:00
40244305079	RINSE # 2	Water	04/27/22 11:30	05/03/22 10:00
40244305080	RINSE # 3	Water	04/27/22 18:00	05/03/22 10:00
40244305081	RINSE # 4	Water	04/28/22 10:00	05/03/22 10:00
40244305082	RINSE # 5	Water	04/29/22 13:15	05/03/22 10:00



SAMPLE ANALYTE COUNT

 Project:
 209-4221498 WM MERCURY WASTE

 Pace Project No.:
 40244305

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244305001	A-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305002	A-2A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305003	A-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305004	A-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305005	A-9B	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305006	A-9C	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305007	B-1A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305008	B-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305009	B-2A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305010	B-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305011	B-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305012	B-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305013	B-9B	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305014	B-9C	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305015	C-1	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305016	C-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305017	C-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305018	D-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305019	D-3	EPA 7471	AJT	1



SAMPLE ANALYTE COUNT

 Project:
 209-4221498 WM MERCURY WASTE

 Pace Project No.:
 40244305

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	MYH	1
40244305020	D-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305021	D-4C	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305022	D-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305023	D-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305024	D-9B	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305025	D-9C	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305026	E-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305027	E-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305028	E-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305029	E-4A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305030	E-6	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305031	E-6A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305032	E-7	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305033	E-7A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305034	E-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305035	E-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305036	E-9B	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305037	E-9C	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1



SAMPLE ANALYTE COUNT

 Project:
 209-4221498 WM MERCURY WASTE

 Pace Project No.:
 40244305

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244305038	F-1	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305039	F-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305040	F-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305041	F-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305042	F-4A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305043	F-5	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305044	F-5A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305045	F-6	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305046	F-6A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305047	F-7	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305048	F-7A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305049	F-8	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305050	F-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305051	F-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305052	G-1	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305053	G-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305054	G-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305055	G-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305056	G-5	EPA 7471	AJT	1



SAMPLE ANALYTE COUNT

 Project:
 209-4221498 WM MERCURY WASTE

 Pace Project No.:
 40244305

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	MYH	1
40244305057	G-6	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305058	G-7	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305059	G-8	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305060	G-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305061	G-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305062	H-1	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305063	H-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305064	H-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305065	H-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305066	H-5	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305067	H-6	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305068	H-7	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305069	H-8	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305070	H-9	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305071	H-9A	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305072	I-1	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305073	I-2	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305074	I-3	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1



SAMPLE ANALYTE COUNT

Project:	209-4221498 WM MERCURY WASTE
Pace Project No.:	40244305

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244305075	— — I-4	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305076	I-5	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305077	I-6	EPA 7471	AJT	1
		ASTM D2974-87	MYH	1
40244305078	RINSE # 1	EPA 7470	AJT	1
40244305079	RINSE # 2	EPA 7470	AJT	1
40244305080	RINSE # 3	EPA 7470	AJT	1
40244305081	RINSE # 4	EPA 7470	AJT	1
40244305082	RINSE # 5	EPA 7470	AJT	1

PASI-G = Pace Analytical Services - Green Bay



ANALYTICAL RESULTS

Project:	209-4221498 W	MERCURY	WASTE

40244305

Pace Project No.:

Sample: A-2	Lab ID:	40244305001	Collecte	d: 04/28/2	2 10:40	Received: 05/	/03/22 10:00 M	latrix: Solid		
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical	Method: EPA 7	'471 Prepa	ration Meth	od: EP/	A 7471				
	Pace Anal	ytical Services	- Green Ba	У						
Mercury	0.17	mg/kg	0.045	0.013	1	05/06/22 12:03	05/09/22 11:34	7439-97-6		
Percent Moisture	Analytical	Method: ASTM	1 D2974-87							
	Pace Anal	ytical Services	- Green Ba	у						
Percent Moisture	21.8	%	0.10	0.10	1		05/09/22 13:53			
Sample: A-2A	Lab ID:	40244305002	Collecte	d: 04/28/2	2 10:50	Received: 05/	/03/22 10:00 M	latrix: Solid		
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	0.62	mg/kg	0.040	0.011	1	05/06/22 12:03	05/09/22 11:41	7439-97-6		
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87								
	Pace Anal	ytical Services	- Green Ba	у						
Percent Moisture	20.2	%	0.10	0.10	1		05/09/22 13:53	1		
Sample: A-9	Lab ID:	40244305003	Collecte	d: 04/28/2	2 08:10	Received: 05/	/03/22 10:00 M	latrix: Solid		
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical	Method: EPA 7	'471 Prepa	ration Meth	od: EP/	A 7471				
	Pace Anal	ytical Services	- Green Ba	у						
Mercury	0.066	mg/kg	0.041	0.012	1	05/06/22 12:03	05/09/22 11:43	7439-97-6		
Percent Moisture	Analytical	Method: ASTM	1 D2974-87							
	Pace Anal	ytical Services	- Green Ba	у						

 Percent Moisture
 21.4
 %
 0.10
 0.10
 1
 05/09/22 13:53



ANALYTICAL RESULTS

Project:	209-4221498	WM MERCURY	WASTE
1 10/000	200 4221400		

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Pace Project No.: 40244305

Sample: A-9A	Lab ID:	40244305004	Collected	: 04/28/2	2 08:30	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	A 7471			
	Pace Anal	ytical Services	- Green Bay						
Mercury	0.26	mg/kg	0.041	0.012	1	05/06/22 12:03	05/09/22 11:45	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						
	Pace Anal	ytical Services	- Green Bay						
Percent Moisture	23.4	%	0.10	0.10	1		05/09/22 13:53		
Sample: A-9B	Lab ID:	40244305005	Collected	: 04/28/2	2 08:40	Received: 05/	/03/22 10:00 Mi	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepara - Green Bay	ation Meth	od: EP/	\ 7471			
Mercury	0.28	mg/kg	0.044	0.013	1	05/06/22 12:03	05/09/22 11:48	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						
	Pace Anal	ytical Services	- Green Bay						
Percent Moisture	29.2	%	0.10	0.10	1		05/09/22 13:53		
Sample: A-9C	Lab ID:	40244305006	Collected	: 04/28/2	2 08:50	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	7471			
	Pace Anal	ytical Services	- Green Bay						
Mercury	1.1	mg/kg	0.046	0.013	1	05/06/22 12:03	05/09/22 11:50	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	l D2974-87 - Green Bav						

 Percent Moisture
 24.6
 %
 0.10
 0.10
 1
 05/09/22 13:54



ANALYTICAL RESULTS

Project:	209-4221498	WM MERCURY	WASTE
1 10/000	200 4221400		

Pace Project No.: 40244305 Sample: B-1A

Sample: B-1A	Lab ID:	40244305007	Collecte	d: 04/28/2	2 11:00	Received: 05/	/03/22 10:00 M	latrix: Solid		
Results reported on a "dry w	eight" basis and ar	e adjusted for	r percent mo	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Ana	Method: EPA	7471 Prepa s - Green Ba	ration Meth	od: EP/	A 7471				
Mercury	0.24	mg/kg	0.039	0.011	1	05/06/22 12:03	05/09/22 11:52	7439-97-6		
Percent Moisture	Analytical Pace Ana	Method: ASTI	M D2974-87 s - Green Ba	У						
Percent Moisture	15.9	%	0.10	0.10	1		05/09/22 13:54	ŀ		
Sample: B-2 Results reported on a "dry w	Lab ID: eight" basis and ar	40244305008 e adjusted for	B Collecter	d: 04/28/2 oisture, sa	2 13:35 mple s i	Received: 05	/03/22 10:00 M ions.	latrix: Solid		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Ana	Method: EPA	7471 Prepa s - Green Ba	ration Meth	nod: EP/	A 7471				
Mercury	0.036J	mg/kg	0.048	0.014	1	05/06/22 12:03	05/09/22 11:55	7439-97-6		
Percent Moisture	Analytical Pace Ana	Method: ASTI	M D2974-87 s - Green Ba	У						
Percent Moisture	29.4	%	0.10	0.10	1		05/09/22 13:54	Ļ		
Sample: B-2A Results reported on a "dry w	Lab ID: reight" basis and ar	40244305009 e adjusted for	Collecter	d: 04/28/2 oisture, sa	2 14:30 mple si	Received: 05	/03/22 10:00 M	latrix: Solid		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Ana	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	0.016J	mg/kg	0.038	0.011	1	05/06/22 12:03	05/09/22 12:02	2 7439-97-6		
Percent Moisture	Analytical Pace Ana	Method: ASTI	M D2974-87 s - Green Ba	у						
Percent Moisture	16.3	%	0.10	0.10	1		05/09/22 13:54	Ļ		

16.3 % 0.10 0.10 1 05/09/22 13:54


Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: B-3	Lab ID:	40244305010	Collected	d: 04/28/2	2 11:15	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted for	percent mo	oisture, sa	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepa	ration Meth	od: EPA	A 7471			
	Pace Analy	ytical Services	- Green Bay	y					
Mercury	0.23	mg/kg	0.039	0.011	1	05/06/22 12:03	05/09/22 12:04	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						
	Pace Anal	ytical Services	- Green Bay	y					
Percent Moisture	18.8	%	0.10	0.10	1		05/09/22 13:54		
Sample: B-9	Lab ID:	40244305011	Collected	d: 04/28/2	2 09:00	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted for	percent mo	oisture, sa	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Analy	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ration Meth	od: EPA	A 7471			
Mercury	0.40	mg/kg	0.040	0.012	1	05/06/22 12:03	05/09/22 12:06	7439-97-6	
Percent Moisture	Analytical Pace Analy	Method: ASTM ytical Services	l D2974-87 - Green Bay	ý					
Percent Moisture	18.4	%	0.10	0.10	1		05/09/22 13:54		
Sample: B-9A	Lab ID:	40244305012	Collected	d: 04/28/2	2 09:10	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted for	percent mo	oisture, sa	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Analy	Method: EPA 7 ytical Services	'471 Prepai - Green Bay	ration Meth	od: EPA	A 7471			
Mercury	0.24	mg/kg	0.039	0.011	1	05/06/22 12:03	05/09/22 12:09	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						

 Percent Moisture
 20.3
 %
 0.10
 0.10
 1
 05/09/22 13:54

Pace Analytical Services - Green Bay



CAS No.

Matrix: Solid

Qual

ANALYTICAL RESULTS

Project: 209-4221498 WM MERCURY WASTE Pace Project No.: 40244305 Sample: B-9B Lab ID: 40244305013 Collected: 04/28/22 09:20 Received: 05/03/22 10:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD DF Prepared Analyzed Analytical Method: EPA 7471 Preparation Method: EPA 7471 7471 Mercury Pace Analytical Services - Green Bay Mercury 0.34 mg/kg 0.040 0.011 05/06/22 12:03 05/09/22 12:11 7439-97-6 1 **Percent Moisture** Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay Percent Moisture 19.9 % 0.10 0.10 1 05/09/22 13:54 Lab ID: 40244305014 Collected: 04/28/22 09:30 Received: 05/03/22 10:00 Sample: B-9C Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Results l Inits 100 DF Parameters Prenared Analyzed

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	.7471 Prepara s - Green Bay	ation Metho	od: EP	A 7471			
Mercury	0.32	mg/kg	0.044	0.013	1	05/06/22 12:03	05/09/22 12:13	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	20.9	%	0.10	0.10	1		05/09/22 13:54		

Sample: C-1 Lab ID: 40244305015 Collected: 04/28/22 11:30 Received: 05/03/22 10:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepara	ation Metho	od: EP/	A 7471			
Mercury	0.061	mg/kg	0.041	0.012	1	05/06/22 12:03	05/09/22 12:16	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	21.1	%	0.10	0.10	1		05/09/22 13:55		



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: C-2	Lab ID:	40244305016	Collecte	d: 04/28/2	2 11:45	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA	7471 Prepa	ration Meth	od: EPA	A 7471			
	Pace Anal	ytical Services	- Green Ba	ıy					
Mercury	0.077	mg/kg	0.041	0.012	1	05/06/22 12:03	05/09/22 12:18	7439-97-6	
Percent Moisture	Analytical	Method: ASTN	/I D2974-87						
	Pace Anal	ytical Services	- Green Ba	ıy					
Percent Moisture	21.8	%	0.10	0.10	1		05/09/22 13:55		
Sample: C-9	Lab ID:	40244305017	Collecte	d: 04/28/2	2 09:40	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepa - Green Ba	ration Meth	od: EP/	A 7471			
Mercury	0.41	mg/kg	0.042	0.012	1	05/06/22 12:03	05/09/22 12:20	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	/I D2974-87 - Green Ba	ıу					
Percent Moisture	26.0	%	0.10	0.10	1		05/09/22 13:55		
Sample: D-2	Lab ID:	40244305018	Collecte	d: 04/28/2	2 11:55	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepa - Green Ba	ration Meth	od: EP/	A 7471			
Mercury	0.12	mg/kg	0.041	0.012	1	05/06/22 12:03	05/09/22 12:23	7439-97-6	
Percent Moisture	Analvtical	Method: ASTN	/I D2974-87						

 Percent Moisture
 23.0
 %
 0.10
 0.10
 1
 05/09/22 14:25

Pace Analytical Services - Green Bay



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

Pace Project No.: 40244305

	Lab ID:	40244305019	Collected	l: 04/28/2	2 12:10	Received: 05/	03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted for	percent mo	isture, sa	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepar - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	0.19	mg/kg	0.042	0.012	1	05/06/22 12:03	05/09/22 12:30	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	/I D2974-87 - Green Bay	1					
Percent Moisture	22.7	%	0.10	0.10	1		05/09/22 15:05		
Sample: D-4 Results reported on a "dry w	Lab ID: eight" basis and are	40244305020 adjusted for	Collected percent mo	l: 04/29/2: isture, sa l	2 11:55 nple si	Received: 05/	03/22 10:00 Ma ions.	atrix: Solid	
Baramatara	Populto	Linita	100		DE	Broporod	Applyzod		Qual
Parameters	Results	Units	LOQ	LOD		Prepared	Analyzed	CAS No.	Qual
Parameters 7471 Mercury	Results Analytical Pace Anal	Units Method: EPA 7 ytical Services	LOQ 7471 Prepar 5 - Green Bay	LOD ation Meth	DF od: EP/	Prepared	Analyzed	CAS No.	Qual
Parameters 7471 Mercury Mercury	Results Analytical Pace Anal 0.027J	Units Method: EPA 7 ytical Services mg/kg	LOQ 7471 Prepar - Green Bay 0.036	LOD ation Meth , 0.010	DF od: EP/ 1	Prepared A 7471 05/06/22 12:03	Analyzed	CAS No. 7439-97-6	Qual
Parameters 7471 Mercury Mercury Percent Moisture	Results Analytical Pace Anal 0.027J Analytical Pace Anal	Units Method: EPA 7 ytical Services mg/kg Method: ASTM ytical Services	LOQ 7471 Prepar 5 - Green Bay 0.036 1 D2974-87 5 - Green Bay	LOD ation Meth , 0.010	DF od: EP/ 1	Prepared A 7471 05/06/22 12:03	Analyzed	CAS No. 7439-97-6	Qual
Parameters 7471 Mercury Mercury Percent Moisture Percent Moisture	Results Analytical Pace Anal 0.027J Analytical Pace Anal 13.4	Units Method: EPA 7 ytical Services mg/kg Method: ASTM ytical Services %	LOQ 7471 Prepar 5 - Green Bay 0.036 1 D2974-87 5 - Green Bay 0.10	LOD ation Meth 0.010	DF od: EP/ 1	Prepared A 7471 05/06/22 12:03	Analyzed 05/09/22 12:32 05/09/22 14:25	CAS No. 7439-97-6	Qual
Parameters 7471 Mercury Mercury Percent Moisture Percent Moisture Sample: D-4C	Results Analytical Pace Anal 0.027J Analytical Pace Anal 13.4 Lab ID:	Units Method: EPA 7 ytical Services mg/kg Method: ASTM ytical Services % 40244305021	LOQ 7471 Prepar 5 - Green Bay 0.036 1 D2974-87 5 - Green Bay 0.10 Collected	LOD ation Meth 0.010 0.10 : 04/29/2:	DF od: EP/ 1 1 2 12:40	Prepared A 7471 05/06/22 12:03 Received: 05/	Analyzed 05/09/22 12:32 05/09/22 14:25 03/22 10:00 Ma	CAS No. 7439-97-6 atrix: Solid	Qual

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Analy	Method: EPA ytical Service	7471 Prepara s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.039	mg/kg	0.036	0.010	1	05/10/22 09:20	05/11/22 08:47	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	4.0	%	0.10	0.10	1		05/09/22 15:05		



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: D-9	Lab ID:	40244305022	2 Collecte	d: 04/27/22	2 18:25	Received: 05/	/03/22 10:00 M	latrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted fo	r percent mo	oisture, sai	nple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepa s - Green Ba	ration Meth	od: EP/	A 7471			
Mercury	0.95	mg/kg	0.044	0.012	1	05/10/22 09:20	05/11/22 08:49	7439-97-6	
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	22.9	%	0.10	0.10	1		05/09/22 15:06	5	
Sample: D-9A	Lab ID:	40244305023	3 Collecte	d: 04/27/22	2 18:30	Received: 05/	/03/22 10:00 M	latrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted fo	r percent mo	oisture, sai	nple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepa s - Green Ba	ration Meth y	od: EP/	A 7471			
Mercury	0.15	mg/kg	0.043	0.012	1	05/10/22 09:20	05/11/22 08:51	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: AST	M D2974-87 s - Green Ba	У					
Percent Moisture	23.0	%	0.10	0.10	1		05/09/22 15:06	5	
Sample: D-9B	Lab ID:	40244305024	4 Collecte	d: 04/27/22	2 18:35	Received: 05/	/03/22 10:00 M	latrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted fo	r percent mo	oisture, sai	nple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepa s - Green Ba	ration Meth y	od: EP/	A 7471			
Mercury	0.046	mg/kg	0.040	0.011	1	05/10/22 09:20	05/11/22 08:54	7439-97-6	
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87							

Percent Moisture **17.5** % 0.10 0.10 1 05/09/22 15:06

Pace Analytical Services - Green Bay



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: D-9C	Lab ID:	40244305025	Collecte	d: 04/27/2	2 18:55	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent m	oisture, sai	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 vtical Services	′471 Prepa - Green Ba	ration Meth v	od: EPA	A 7471			
Mercury	0.29	mg/kg	0.044	0.012	1	05/10/22 09:20	05/11/22 08:56	7439-97-6	
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	23.8	%	0.10	0.10	1		05/09/22 15:06	i	
Sample: E-2	Lab ID:	40244305026	Collecte	d: 04/27/22	2 16:10	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent m	oisture, sai	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	'471 Prepa - Green Ba	ration Meth y	od: EPA	A 7471			
Mercury	0.076	mg/kg	0.043	0.012	1	05/10/22 09:20	05/11/22 08:58	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	l D2974-87 - Green Ba	У					
Percent Moisture	24.2	%	0.10	0.10	1		05/09/22 15:06	i	
Sample: E-3	Lab ID:	40244305027	Collecte	d: 04/27/2	2 16:25	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent m	oisture, sai	mple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	'471 Prepa - Green Ba	ration Meth y	od: EPA	7471			
Mercury	0.14	mg/kg	0.043	0.012	1	05/10/22 09:20	05/11/22 09:00	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	I D2974-87						

 Percent Moisture
 24.9
 %
 0.10
 0.10
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 05/09/22 15:06

Pace Analytical Services - Green Bay



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: E-4	Lab ID: 40244305028 Collected: 04/27/22 16:45 Received: 05/03/22 10:00 Matrix: Solid											
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	oisture, sa	mple si	ze and any diluti	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical	Method: EPA 7	'471 Prepar	ation Meth	od: EP/	A 7471						
	Pace Anal	lytical Services	- Green Bay	/								
Mercury	0.043	mg/kg	0.040	0.012	1	05/10/22 09:20	05/11/22 09:03	7439-97-6				
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87										
	Pace Anal	Pace Analytical Services - Green Bay										
Percent Moisture	20.4	%	0.10	0.10	1		05/09/22 15:06					
Sample: E-4A	Lab ID:	40244305029	Collected	1: 04/28/2	2 15:30	Received: 05/	/03/22 10:00 M	atrix: Solid				
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	oisture, sa	mple si	ze and any diluti	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepar - Green Bay	ation Meth	iod: EP/	A 7471						
Mercury	0.014J	mg/kg	0.037	0.010	1	05/10/22 09:20	05/11/22 09:10	7439-97-6				
Percent Moisture	Analytical	Method: ASTM	D2974-87									
	Pace Analytical Services - Green Bay											
Percent Moisture	14.3	%	0.10	0.10	1		05/09/22 15:06					
Sample: E-6	Lab ID:	40244305030	Collected	1: 04/29/2	2 08:50	Received: 05/	/03/22 10:00 M	atrix: Solid				
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any diluti	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepar - Green Bay	ation Meth	iod: EP/	A 7471						
Mercury	0.18	mg/kg	0.034	0.0098	1	05/10/22 09:20	05/11/22 09:12	7439-97-6				
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Bay	/								

REPORT OF LABORATORY ANALYSIS

0.10

0.10 1

05/09/22 15:06

2.4

%

Percent Moisture



Project:	209-4221498	WM MERCURY	WASTE
1 10/000	200 4221400		

- ' -

Pace Project No.: 40244305

Sample: E-6A	Lab ID:	40244305031	Collected	: 04/29/22	2 10:15	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and are	e adjusted for	percent moi	isture, sai	mple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	A 7471					
	Pace Anal	ytical Services	- Green Bay								
Mercury	0.26	mg/kg	0.035	0.010	1	05/10/22 09:20	05/11/22 09:14	7439-97-6			
Percent Moisture	Analytical	Method: ASTN	1 D2974-87								
	Pace Anal	Pace Analytical Services - Green Bay									
Percent Moisture	4.6	%	0.10	0.10	1		05/09/22 15:06				
Sample: E-7	Lab ID:	40244305032	Collected	: 04/29/22	2 10:45	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and are	e adjusted for	percent moi	isture, sai	mple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepara - Green Bay	ation Meth	od: EP/	A 7471					
Mercury	0.13	mg/kg	0.036	0.010	1	05/10/22 09:20	05/11/22 09:17	7439-97-6			
Percent Moisture	Analytical	Method: ASTM	1 D2974-87								
	Pace Analytical Services - Green Bay										
Percent Moisture	9.7	%	0.10	0.10	1		05/09/22 15:07				
Sample: E-7A	Lab ID:	40244305033	Collected	: 04/29/22	2 11:15	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and are	e adjusted for	percent moi	isture, sai	mple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	A 7471					
	Pace Anal	ytical Services	- Green Bay								
Mercury	0.087	mg/kg	0.036	0.010	1	05/10/22 11:44	05/11/22 09:24	7439-97-6	В		
Percent Moisture	Analytical	Method: ASTM	1 D2974-87								
	Pace Anal	vtical Services	- Green Bav								

Percent Moisture **3.0** % 0.10 0.10 1 05/09/22 15:07



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: E-9	Lab ID: 40244305034 Collected: 04/27/22 17:40 Received: 05/03/22 10:00 Matrix: Solid										
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	471 Prepar	ation Meth	od: EP/	A 7471					
	Pace Anal	ytical Services	- Green Bay	/							
Mercury	0.47	mg/kg	0.045	0.013	1	05/10/22 11:44	05/11/22 09:31	7439-97-6			
Percent Moisture	Analytical	Method: ASTM	I D2974-87								
	Pace Analytical Services - Green Bay										
Percent Moisture	29.8	%	0.10	0.10	1		05/09/22 15:07				
Sample: E-9A	Lab ID:	40244305035	Collected	1: 04/27/2	2 17:50	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepar - Green Bay	ation Meth	iod: EPA	A 7471					
Mercury	0.094	mg/kg	0.043	0.012	1	05/10/22 11:44	05/11/22 09:38	7439-97-6	В		
Percent Moisture	Analytical Method: ASTM D2974-87										
	Pace Anal	ytical Services	- Green Bay	/							
Percent Moisture	21.3	%	0.10	0.10	1		05/09/22 15:07				
Sample: E-9B	Lab ID:	40244305036	Collected	I: 04/27/2	2 18:05	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepar - Green Bay	ation Meth	iod: EP/	A 7471					
Mercury	0.18	mg/kg	0.044	0.013	1	05/10/22 11:44	05/11/22 09:40	7439-97-6	В		
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Bay	,							

 Percent Moisture
 24.0
 %
 0.10
 0.10
 1
 05/09/22 15:07



Project:	209-4221498 WM	MERCURY	WASTE
1 10/000	200 422 1400 101		WAOIL

40244305

Pace Project No .:

Sample: E-9C	Lab ID:	40244305037	Collecte	d: 04/27/22	2 18:10	Received: 05/	/03/22 10:00 Ma	atrix: Solid			
Results reported on a "dry we	eight" basis and are	adjusted for	percent m	oisture, sai	nple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	'471 Prepa	ration Meth	od: EPA	7471					
	Pace Analy	ytical Services	- Green Ba	У							
Mercury	0.26	mg/kg	0.044	0.013	1	05/10/22 11:44	05/11/22 09:42	7439-97-6	В		
Percent Moisture	Analytical	Method: ASTM	D2974-87								
	Pace Analytical Services - Green Bay										
Percent Moisture	22.6	%	0.10	0.10	1		05/09/22 15:07				
Sample: F-1	Lab ID:	40244305038	Collecte	d: 04/27/22	2 10:45	Received: 05/	/03/22 10:00 Mi	atrix: Solid			
Results reported on a "dry we	eight" basis and are	adjusted for	percent m	oisture, saı	nple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	'471 Prepa	ration Meth	od: EPA	7471					
	Pace Analy	vtical Services	- Green Ba	y							
Mercury	0.31	mg/kg	0.045	0.013	1	05/10/22 11:44	05/11/22 09:45	7439-97-6			
Percent Moisture	Analytical	Method: ASTM	D2974-87								
	Pace Analy	vtical Services	- Green Ba	у							
Percent Moisture	26.2	%	0.10	0.10	1		05/09/22 15:07				
Sample: F-2	Lab ID:	40244305039	Collecte	d: 04/27/22	2 10:55	Received: 05/	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry we	eight" basis and are	adjusted for	percent m	oisture, saı	nple si	ze and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical	Method: EPA 7	'471 Prepa	ration Meth	od: EPA	7471					
	Pace Analy	vtical Services	- Green Ba	у							

Mercury	0.27	mg/kg	0.046	0.013	1	05/10/22 11:44	05/11/22 09:47	7439-97-6	-6 B
Percent Moisture	Analytical I Pace Analy	Method: ASTI /tical Service:	M D2974-87 s - Green Bay						
Percent Moisture	24.4	%	0.10	0.10	1		05/09/22 15:07		



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: F-3	Lab ID:	40244305040	Collected	d: 04/27/22	2 11:05	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, sar	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	471 Prepa - Green Ba	ration Meth	od: EP/	A 7471			
Mercury	0.36	mg/kg	0.047	0.014	1	05/10/22 11:44	05/11/22 09:49	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Bag	у					
Percent Moisture	27.2	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-4 Results reported on a "dry we	Lab ID: eight" basis and are	40244305041 e adjusted for	Collected percent mo	d: 04/27/22 Disture, sar	2 11:15 mple si	Received: 05/	/03/22 10:00 M ions.	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay							
Mercury	0.094	mg/kg	0.042	0.012	1	05/10/22 11:44	05/11/22 09:52	7439-97-6	В
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Ba	у					
Percent Moisture	25.7	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-4A Results reported on a "dry w	Lab ID:	40244305042	Collected	d: 04/27/22	2 11:40	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w		e aujustea tor	percenting	nstare, sar	npic 3i	ze and any und	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	471 Prepa - Green Ba	ration Meth	od: EPA	A 7471			
Mercury	0.35	mg/kg	0.043	0.012	1	05/10/22 11:44	05/11/22 09:54	7439-97-6	

Percent Moisture **21.8** % 0.10 0.10 1 05/09/22 15:34

Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

Percent Moisture



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: F-5	Lab ID:	40244305043	Collecte	d: 04/27/22	2 13:15	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent m	oisture, sai	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay							
Mercury	1.1	mg/kg	0.040	0.011	1	05/10/22 11:44	05/11/22 09:56	7439-97-6	
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	21.6	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-5A Results reported on a "dry w	Lab ID: eight" basis and are	40244305044 adjusted for	Collecte percent me	d: 04/27/22 Disture, sai	2 13:30 mple si	Received: 05,	/03/22 10:00 M ions.	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	'471 Prepa - Green Ba	ration Meth y	od: EP/	A 7471			
Mercury	0.69	mg/kg	0.048	0.014	1	05/10/22 11:44	05/11/22 09:59	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	l D2974-87 - Green Ba	У					
Percent Moisture	31.1	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-6	Lab ID:	40244305045	Collecte	d: 04/27/22	2 13:40	Received: 05	/03/22 10:00 M	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepa - Green Ba	ration Meth y	od: EPA	A 7471			
Mercury	0.70	mg/kg	0.041	0.012	1	05/10/22 11:44	05/11/22 10:08	7439-97-6	
Percent Moisture	Analytical	Method: ASTN	I D2974-87						

Percent Moisture 20.4 % 0.10 0.10 1 05/09/22 15:34

Pace Analytical Services - Green Bay



Collected: 04/27/22 13:50 Received: 05/03/22 10:00 Matrix: Solid

Project:	209-4221498 WM	MERCURY	WASTE
1 10/000	200 422 1400 101		WAOIL

Pace Project No.: 40244305 Sample: F-6A Lab ID: 40244305046

Results reported on a "dry we	eight" basis and ar	e adjusted for	percent mo	oisture, sa	mple s	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA	7471 Prepa s - Green Ba	ration Meth y	od: EP	A 7471			
Mercury	0.26	mg/kg	0.041	0.012	1	05/10/22 11:44	05/11/22 10:10	7439-97-6	В
Percent Moisture	Analytical Pace Ana	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	18.2	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-7 Results reported on a "dry w	Lab ID: eight" basis and ar	40244305047 e adiusted for	Collected	d: 04/27/2	2 14:55 mple s	Received: 05	/03/22 10:00 M	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA	7471 Prepa	ration Meth y	od: EP	A 7471			
Mercury	2.4	mg/kg	0.095	0.027	2	05/10/22 11:44	05/11/22 11:40	7439-97-6	
Percent Moisture	Analytical Pace Ana	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	29.4	%	0.10	0.10	1		05/09/22 15:34		
Sample: F-7A Results reported on a "dry w	Lab ID:	40244305048		d: 04/27/2	2 15:05	Received: 05	/03/22 10:00 M	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analvzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA	7471 Prepa	ration Meth	od: EP	A 7471			
Mercury	1.3	mg/kg	0.047	0.013	1	05/10/22 11:44	05/11/22 10:15	7439-97-6	
Percent Moisture	Analytical Pace Ana	Method: ASTN lytical Services	/I D2974-87 s - Green Bag	у					
Percent Moisture	26.7	%	0.10	0.10	1		05/09/22 15:34		



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No .:

Sample: F-8	Lab ID:	40244305049	Collecte	d: 04/27/2	2 15:20	Received: 05	/03/22 10:00 M	latrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, sai	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	′471 Prepa - Green Ba	ration Meth	od: EPA	A 7471			
Mercury	2.8	mg/kg	0.10	0.029	1	05/10/22 11:44	05/11/22 10:17	7439-97-6	
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay							
Percent Moisture	65.4	%	0.10	0.10	1		05/09/22 15:34	ļ	
Sample: F-9 Results reported on a "dry we	Lab ID: eight" basis and are	40244305050 adjusted for	Collecter percent mo	d: 04/27/22 Disture, sai	2 15:40 mple si	Received: 05/	/03/22 10:00 M	latrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	'471 Prepa - Green Ba	ration Meth y	od: EPA	A 7471			
Mercury	0.35	mg/kg	0.043	0.012	1	05/10/22 11:44	05/11/22 10:19	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	l D2974-87 - Green Ba	У					
Percent Moisture	23.5	%	0.10	0.10	1		05/09/22 15:35	i	
Sample: F-9A	Lab ID:	40244305051	Collecte	d: 04/27/22	2 15:45	Received: 05/	/03/22 10:00 M	latrix: Solid	
Results reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, sai	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	′471 Prepa - Green Ba	ration Meth y	od: EPA	A 7471			
Mercury	0.30	mg/kg	0.040	0.011	1	05/10/22 11:44	05/11/22 10:22	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	1 D2974-87						

 Percent Moisture
 21.7
 %
 0.10
 0.10
 1
 05/09/22 15:35

Pace Analytical Services - Green Bay



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: G-1	Lab ID:	40244305052	Collecte	d: 04/27/2	2 08:15	Received: 05	/03/22 10:00 M	atrix: Solid		
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical	Method: EPA 7	7471 Prepa	ration Meth	nod: EP/	A 7471				
	Pace Ana	ytical Services	- Green Ba	ıy						
Mercury	0.45	mg/kg	0.050	0.014	1	05/10/22 11:44	05/11/22 10:24	7439-97-6		
Percent Moisture	Analytical	Method: ASTN	1 D2974-87							
	Pace Ana	ytical Services	- Green Ba	ıy						
Percent Moisture	30.5	%	0.10	0.10	1		05/09/22 15:35			
Sample: G-2	Lab ID:	40244305053	Collecte	d: 04/27/2	2 09:00	Received: 05	/03/22 10:00 M	atrix: Solid		
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	7471 Prepa - Green Ba	ration Meth	od: EP/	A 7471				
Mercury	0.23	mg/kg	0.048	0.014	1	05/10/22 11:55	05/11/22 10:36	7439-97-6		
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87								
	Pace Ana	Pace Analytical Services - Green Bay								
Percent Moisture	27.8	%	0.10	0.10	1		05/09/22 15:35			
Sample: G-3	Lab ID:	40244305054	Collecte	d: 04/27/2	2 09:10	Received: 05	/03/22 10:00 M	atrix: Solid		
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent m	oisture, sa	mple si	ize and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical	Method: EPA 7	7471 Prepa	ration Meth	nod: EP/	A 7471				
	Pace Ana	ytical Services	- Green Ba	ıy						
Mercury	0.32	mg/kg	0.043	0.012	1	05/10/22 11:55	05/11/22 10:43	7439-97-6		
Percent Moisture	Analytical	Method: ASTM	1 D2974-87							
	Pace Ana	vtical Services	- Green Ba	IV						

 Percent Moisture
 20.4
 %
 0.10
 0.10
 1
 05/09/22 15:35



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

Pace Project No.: 40244305

Sample: G-4		40244205055	Collected	· 04/27/2	2 00.20	Pacaivad: 05	/02/22 10:00 M	atrix: Solid	
Besults reported on a "dry w	Lau ID. oiaht" basis and are	adjusted for	nercent mo	. 04/21/2. istura sa	2 09.20 mnle si	Received. 05/	ions	anix. Soliu	
Results reported on a dry w	eight basis and are	aujusteu tot	percentino	<i>Stare, Sa</i>	iipie 3i		0113.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	A 7471			
	Pace Anal	ytical Services	- Green Bay						
Mercury	0.66	mg/kg	0.045	0.013	1	05/10/22 11:55	05/11/22 10:45	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						
	Pace Anal	ytical Services	- Green Bay						
Percent Moisture	28.6	%	0.10	0.10	1		05/09/22 14:26		
Sample: G-5	Lab ID:	40244305056	Collected	: 04/27/2	2 09:30	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepara	ation Meth	od: EP/	A 7471			
	Pace Anal	ytical Services	- Green Bay						
Mercury	4.8	mg/kg	0.23	0.065	5	05/10/22 11:55	05/11/22 11:42	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	D2974-87						
	Pace Anal	ytical Services	- Green Bay						
Percent Moisture	31.7	%	0.10	0.10	1		05/09/22 14:26		
Sample: G-6	Lab ID:	40244305057	Collected	: 04/27/2	2 09:35	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	isture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Linite	100		DE	Prenared	Analyzed	CAS No	Qual

Falalleters		Units						CAS NO.	
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepara es - Green Bay	ation Metho	od: EP	PA 7471			
Mercury	0.29	mg/kg	0.046	0.013	1	05/10/22 11:55	05/11/22 10:51	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: AST ytical Service	M D2974-87 es - Green Bay						
Percent Moisture	27.4	%	0.10	0.10	1		05/09/22 14:26		



CAS No.

Qual

ANALYTICAL RESULTS

Project:	209-4221498 V	VM MERCURY	WASTE
FIUIEUL	203-4221490 1		VVAST

40244305

Pace Project No .:

Sample: G-7 Lab ID: 40244305058 Collected: 04/27/22 09:45 Received: 05/03/22 10:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD

7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	0.56	mg/kg	0.043	0.012	1	05/10/22 11:55	05/11/22 10:53 7439-97-6		
Percent Moisture	Analytical Me Pace Analytic	ethod: ASTM D2 cal Services - G	974-87 reen Bay						
Percent Moisture	24.6	%	0.10	0.10	1		05/09/22 14:26		

DF

Prepared

Analyzed

Sample: G-8 Lab ID: 40244305059 Collected: 04/27/22 10:00 Received: 05/03/22 10:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	. 7471 Prepara es - Green Bay	ation Metho	od: EP	A 7471			
Mercury	0.13	mg/kg	0.043	0.012	1	05/10/22 11:55	05/11/22 10:55	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: AST ytical Service	M D2974-87 es - Green Bay						
Percent Moisture	23.6	%	0.10	0.10	1		05/09/22 14:26		

Sample: G-9 Lab ID: 40244305060 Collected: 04/27/22 10:10 Received: 05/03/22 10:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical M	lethod: EPA 7	471 Prepara	tion Metho	d: EPA	7471					
	Pace Analytical Services - Green Bay										
Mercury	0.33	mg/kg	0.045	0.013	1	05/10/22 11:55	05/11/22 10:58	7439-97-6			
Percent Moisture	Analytical M	lethod: ASTM	D2974-87								
	Pace Analy	tical Services	- Green Bay								
Percent Moisture	24.4	%	0.10	0.10	1		05/09/22 14:26				



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

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Pace Project No.: 40244305

Sample: G-9A	Lab ID: 40244305061 Collected: 04/27/22 10:15 Received: 05/03/22 10:00 Matrix: Solid										
Results reported on a "dry w	eight" basis and are	e adjusted for	r percent mo	isture, saı	nple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Meth	od: EP/	A 7471					
Mercury	0.041J	mg/kg	0.046	0.013	1	05/10/22 11:55	05/11/22 11:05	7439-97-6			
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	25.0	%	0.10	0.10	1		05/09/22 14:26				
Sample: H-1	Lab ID:	40244305062	2 Collected	: 04/26/22	2 15:30	Received: 05	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and ar	e adjusted for	r percent mo	isture, saı	nple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay									
Mercury	0.32	mg/kg	0.046	0.013	1	05/10/22 11:55	05/11/22 11:07	7439-97-6			
Percent Moisture	Analytical Pace Anal	nalytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	29.4	%	0.10	0.10	1		05/09/22 14:26				
Sample: H-2	Lab ID:	40244305063	B Collected	: 04/26/22	2 16:10	Received: 05	/03/22 10:00 M	atrix: Solid			
Results reported on a "dry w	eight" basis and ar	e adjusted for	r percent mo	isture, saı	nple si	ize and any dilut	ions.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Meth	od: EP/	A 7471					
Mercury	0.075	mg/kg	0.042	0.012	1	05/10/22 11:55	05/11/22 11:10	7439-97-6			
Percent Moisture	Analytical Pace Anal	Method: ASTN	M D2974-87 s - Green Bay	,							
Percent Moisture	23.2	%	0.10	0.10	1		05/09/22 14:26				



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: H-3	Lab ID:	40244305064	Collecte	d: 04/26/2	2 16:20	Received: 05/	/03/22 10:00 M	atrix: Solid				
Results reported on a "dry we	eight" basis and are	adjusted for	percent m	oisture, sa	mple si	ze and any dilut	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical	Analytical Method: EPA 7471 Preparation Method: EPA 7471										
	Pace Anal	ytical Services	- Green Ba	У								
Mercury	0.091	mg/kg	0.041	0.012	1	05/10/22 11:55	05/11/22 11:12	7439-97-6				
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87										
	Pace Anal	Pace Analytical Services - Green Bay										
Percent Moisture	17.6	%	0.10	0.10	1	1 05/09/22 14:26						
Sample: H-4	Lab ID:	40244305065	Collecte	d: 04/26/2	2 16:40	Received: 05/	/03/22 10:00 M	atrix: Solid				
Results reported on a "dry we	eight" basis and are	adjusted for	percent m	oisture, sa	mple si	ze and any dilut	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay										
Mercury	0.23	mg/kg	0.041	0.012	1	05/10/22 11:55	05/11/22 11:14	7439-97-6				
Percent Moisture	Analytical	Analytical Method: ASTM D2974-87										
	Pace Anal	Pace Analytical Services - Green Bay										
Percent Moisture	24.3	%	0.10	0.10	1		05/09/22 14:26	i				
Sample: H-5	Lab ID:	40244305066	Collecte	d: 04/26/2	2 17:00	Received: 05/	/03/22 10:00 M	atrix: Solid				
Results reported on a "dry we	eight" basis and are	e adjusted for	percent m	oisture, sa	mple si	ze and any dilut	ions.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical	Method: EPA 7	471 Prepa	ration Meth	od: EP/	A 7471						
	Pace Anal	ytical Services	- Green Ba	У								
Mercury	1.3	mg/kg	0.043	0.012	1	05/10/22 11:55	05/11/22 11:17	7439-97-6				
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	D2974-87 - Green Ba	y								

 Percent Moisture
 24.8
 %
 0.10
 0.10
 1
 05/09/22 14:26



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No.:

Sample: H-6	Lab ID: 40244305067 Collected: 04/26/22 17:10 Received: 05/03/22 10:00 Matrix: Solid								
Results reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, san	nple si	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	471 Prepa - Green Ba	ration Metho y	od: EP/	A 7471			
Mercury	0.044	mg/kg	0.041	0.012	1	05/10/22 11:55	05/11/22 11:19	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Ba	у					
Percent Moisture	24.7	%	0.10	0.10	1		05/09/22 14:26		
Sample: H-7 Results reported on a "dry we	Lab ID: eight" basis and are	40244305068 e adjusted for	Collected percent mo	d: 04/26/22 Disture, san	2 17:20 n ple si	Received: 05	/03/22 10:00 M ions.	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	471 Prepa - Green Ba	ration Metho y	od: EP/	A 7471			
Mercury	0.24	mg/kg	0.044	0.012	1	05/10/22 11:55	05/11/22 11:21	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM lytical Services	l D2974-87 - Green Ba	у					
Percent Moisture	20.1	%	0.10	0.10	1		05/09/22 14:27		
Sample: H-8 Results reported on a "dry we	Lab ID: eight" basis and are	40244305069 e adjusted for	Collected percent mo	d: 04/26/22 Disture, san	2 17:35 m ple si	Received: 05	/03/22 10:00 M ions.	atrix: Solid	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepa - Green Ba	ration Metho y	od: EP/	A 7471			
Mercury	0.36	mg/kg	0.042	0.012	1	05/10/22 11:55	05/11/22 11:23	7439-97-6	

Percent Moisture 24.4 % 0.10 0.10 1 05/09/22 14:27

Analytical Method: ASTM D2974-87

Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

Percent Moisture



Project:	209-4221498 WM MERCURY	WASTE
1 101000		

40244305

Pace Project No .:

Sample: H-9	Lab ID:	40244305070	Collected	d: 04/26/22	2 17:50	Received: 05/	/03/22 10:00 M	atrix: Solid		
Results reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, sai	nple si	ze and any dilut	ions.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA 7 vtical Services	'471 Prepar - Green Bay	ation Meth	od: EPA	7471				
Mercury	0.37	mg/kg	0.043	0.012	1	05/10/22 11:55	05/11/22 11:26	7439-97-6		
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	l D2974-87 - Green Bay	/						
Percent Moisture	25.0	%	0.10	0.10	1	05/09/22 14:27				
Sample: H-9A Results reported on a "dry we	Lab ID: eight" basis and are	40244305071 adjusted for	Collected percent mo	1: 04/26/22 Disture, sai	2 18:10 nple si	Received: 05/ ze and any dilut	/03/22 10:00 M ions.	atrix: Solid		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ation Meth	od: EPA	X 7471				
Mercury	0.20	mg/kg	0.050	0.014	1	05/10/22 11:55	05/11/22 11:33	7439-97-6		
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	l D2974-87 - Green Bay	/						
Percent Moisture	34.3	%	0.10	0.10	1		05/09/22 14:27			
Sample: I-1 Results reported on a "dry we	Lab ID: eight" basis and are	40244305072 adjusted for	Collected percent mo	d: 04/26/22 Disture, sai	2 10:25 nple si 2	Received: 05/ ze and any dilut	/03/22 10:00 M	atrix: Solid		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ation Meth	od: EPA	7471				

	•		•					
Mercury	0.38	mg/kg	0.051	0.015	1	05/10/22 11:55	05/11/22 11:35	7439-97-6
Percent Moisture	Analytical M Pace Analyt	lethod: ASTM D ical Services - C	2974-87 Green Bay					
Percent Moisture	32.4	%	0.10	0.10	1		05/09/22 14:27	



Project:	209-4221498	WM MERCURY	WASTE

40244305

Pace Project No.:

Sample: I-2	Lab ID:	40244305073	Collected	d: 04/26/22	2 14:00	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted for	percent mo	oisture, sai	nple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical	Method: EPA 7	471 Prepa	ration Meth	od: EPA	A 7471			
	Pace Anal	ytical Services	- Green Bay	у					
Mercury	0.099	mg/kg	0.048	0.014	1	05/12/22 09:10	05/13/22 09:46	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	1 D2974-87						
	Pace Anal	ytical Services	- Green Bay	у					
Percent Moisture	34.2	%	0.10	0.10	1		05/09/22 15:35		
Sample: I-3	Lab ID:	40244305074	Collected	d: 04/26/22	2 14:25	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	oisture, sai	nple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepar - Green Bay	ration Meth y	od: EPA	A 7471			
Mercury	0.15	mg/kg	0.051	0.015	1	05/12/22 09:10	05/13/22 09:53	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	1 D2974-87 - Green Bay	y					
Percent Moisture	35.9	%	0.10	0.10	1		05/09/22 15:35		
Sample: I-4	Lab ID:	40244305075	Collected	d: 04/26/22	2 14:45	Received: 05/	/03/22 10:00 M	atrix: Solid	
Results reported on a "dry w	eight" basis and are	e adjusted for	percent mo	oisture, sai	nple si	ze and any diluti	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepai - Green Bay	ration Meth y	od: EPA	A 7471			
Mercury	0.020J	mg/kg	0.044	0.013	1	05/12/22 09:10	05/13/22 09:56	7439-97-6	
Percent Moisture	Analytical	Method: ASTM	1 D2974-87						

 Percent Moisture
 24.9
 %
 0.10
 0.10
 1
 05/09/22 15:35

Pace Analytical Services - Green Bay



Project:	209-4221498 V	VM MERCURY	WASTE
1 101000	200 12211001		

40244305

Pace Project No.:

Sample: I-5	Lab ID:	40244305076	Collected	1: 04/26/2	2 15:00	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	oisture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	471 Prepar - Green Bay	ation Meth	od: EPA	A 7471			
Mercury	0.16	mg/kg	0.046	0.013	1	05/12/22 09:10	05/13/22 09:58	7439-97-6	
Percent Moisture	Analytical Pace Ana	Method: ASTM lytical Services	D2974-87 - Green Bay	/					
Percent Moisture	26.7	%	0.10	0.10	1		05/09/22 15:35		
Sample: I-6	Lab ID:	40244305077	Collected	1: 04/26/2	2 15:15	Received: 05/	/03/22 10:00 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and ar	e adjusted for	percent mo	oisture, sa	mple si	ze and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	471 Prepar - Green Bay	ation Meth	od: EPA	x 7471			
Mercury	0.20	mg/kg	0.044	0.013	1	05/12/22 09:10	05/13/22 10:00	7439-97-6	
Percent Moisture	Analytical Pace Ana	Method: ASTM lytical Services	D2974-87 - Green Bay	/					
Percent Moisture	24.5	%	0.10	0.10	1		05/09/22 15:35		
Sample: RINSE # 1	Lab ID:	40244305078	Collected	1: 04/26/2	2 18:00	Received: 05/	/03/22 10:00 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	470 Prepar - Green Bay	ation Meth	od: EPA	A 7470			
Mercury	<0.066	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:31	7439-97-6	
Sample: RINSE # 2	Lab ID:	40244305079	Collected	1: 04/27/2	2 11:30	Received: 05/	/03/22 10:00 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	470 Prepar - Green Bay	ation Meth	od: EPA	A 7470			
Mercury	<0.066	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:34	7439-97-6	



Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Sample: RINSE # 3	Lab ID:	40244305080	Collected	l: 04/27/2	2 18:00	Received: 05/	03/22 10:00 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	470 Prepar - Green Bay	ation Meth	od: EPA	A 7470			
Mercury	<0.066	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:36	7439-97-6	
Sample: RINSE # 4	Lab ID:	40244305081	Collected	I: 04/28/2	2 10:00	Received: 05/	03/22 10:00 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	470 Prepar - Green Bay	ation Meth	od: EPA	A 7470			
Mercury	0.073J	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:43	7439-97-6	
Sample: RINSE # 5	Lab ID:	40244305082	Collected	l: 04/29/2	2 13:15	Received: 05/	03/22 10:00 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Pace Ana	Method: EPA 7 lytical Services	470 Prepar - Green Bay	ation Meth	od: EPA	A 7470			
Mercury	0.085J	ug/l	0.20	0.066	1	05/09/22 10:50	05/10/22 10:45	7439-97-6	



Project:	209-4221498 WM	MERCURY WAS	TE									
Pace Project No.:	40244305											
QC Batch:	415124		Anal	ysis Metho	d:	EPA 7470						
QC Batch Method:	EPA 7470		Anal	ysis Descr	iption:	7470 Mercu	iry					
			Labo	oratory:		Pace Analyt	tical Servic	es - Green	Вау			
Associated Lab San	nples: 402443050	078, 4024430507	9, 402443	05080, 402	44305081,	402443050	82					
METHOD BLANK:	2390421			Matrix: W	/ater							
Associated Lab San	nples: 402443050	78, 4024430507	9, 402443	05080, 402	44305081,	402443050	82					
			Bla	ink	Reporting							
Paran	neter	Units	Res	sult	Limit	Anal	yzed	Qualifier	S			
Mercury		ug/L		<0.066	0.2	20 05/10/2	2 09:50					
LABORATORY COM	NTROL SAMPLE:	2390422										
			Spike	LC	CS	LCS	% R	ec				
Paran	neter	Units	Conc.	Re	sult	% Rec	Lim	its	Qualifiers			
Mercury		ug/L		5	4.9	9	8	85-115		_		
			400		000040							
MATRIX SPIKE & M	IATRIX SPIKE DUP	LICATE: 2390	423 MS	MSD	2390424	4						
		40244176027	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	ug/L	<0.066	5	5	5.0	5.0	98	99	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-422	1498 WM	MERCURY WAS	ΓE									
Pace Project No.:	4024430)5											
QC Batch:	415009	9		Analy	sis Metho	od:	EPA 7471						
QC Batch Method:	EPA 74	171		Analy	sis Descr	iption:	7471 Mercu	ry					
				Laboi	ratory:		Pace Analyt	ical Service	es - Green	Bay			
Associated Lab San	nples:	402443050 402443050 402443050	001, 40244305002 008, 40244305009 015, 40244305016	2, 4024430 9, 4024430 6, 4024430	5003, 402 5010, 402 5017, 402	244305004, 244305011, 244305018,	, 402443050 402443050 , 402443050	05, 402443 12, 402443 19, 402443	05006, 402 05013, 402 05020	244305007 244305014	, ,		
METHOD BLANK:	2389521				Matrix: S	olid							
Associated Lab San	nples:	40244305(40244305(40244305(001, 40244305002 008, 40244305009 015, 40244305016	2, 4024430 9, 4024430 6, 4024430	5003, 402 5010, 402 5017, 402	244305004, 244305011, 244305018,	, 402443050 , 402443050 , 402443050	05, 402443 12, 402443 19, 402443	05006, 402 05013, 402 05020	244305007 244305014	, ,		
				Blan	nk	Reporting							
Paran	neter		Units	Resu	ult	Limit	Analy	/zed	Qualifier	s			
Mercury			mg/kg	<	<0.010	0.03	35 05/09/2	2 11:25					
LABORATORY COM		AMPLE:	2389522										
				Spike	L	CS	LCS	% R	ec				
Paran	neter		Units	Conc.	Re	sult	% Rec	Limi	ts (Qualifiers	_		
Mercury			mg/kg	0.8	3	0.87	104	4 8	35-115				
MATRIX SPIKE & M	IATRIX SI	PIKE DUP	LICATE: 23895	523 MS	MSD	238952	4						
			40244305001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	r	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury		mg/kg	0.17	1.1	1.1	1.3	1.3	105	108	85-115	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-4221498 W	M MERCURY WAS	ΓE									
Pace Project No.:	40244305											
QC Batch:	415247		Analy	sis Method	d:	EPA 7471						
QC Batch Method:	EPA 7471		Analy	sis Descrip	otion:	7471 Mercur	у					
			Labor	atory:		Pace Analyti	cal Service	es - Greer	n Bay			
Associated Lab Sar	mples: 402443 402443	05021, 40244305022 05028, 40244305029	2, 4024430 9, 4024430	5023, 4024 5030, 4024	44305024, 44305031,	4024430502 4024430503	25, 402443 32	05026, 40)244305027	,		
METHOD BLANK:	2390931			Matrix: So	olid							
Associated Lab Sa	mples: 402443 402443	05021, 4024430502 05028, 4024430502	2, 4024430 9, 4024430 Blan	5023, 4024 5030, 4024 k l	44305024, 44305031, Reporting	4024430502 4024430503	25, 402443 32	05026, 40)244305027	, ,		
Para	neter	Units	Resu	ılt	Limit	Analy	zed	Qualifie	rs			
Mercury		mg/kg	<	:0.010	0.03	35 05/11/22	2 08:14					
LABORATORY CO	NTROL SAMPLE	: 2390932										
			Spike	LC	S	LCS	% Re	€C				
Parar	meter	Units	Conc.	Res	ult	% Rec	Limit	ts	Qualifiers	_		
Mercury		mg/kg	0.83	3	0.83	100	3 (35-115				
MATRIX SPIKE & M	ATRIX SPIKE D	UPLICATE: 23909	933 MS	MSD	2390934	4						
		40244493001	IVIJ Sniko	Snike	MS	MSD	MS	MSD	% Rec		Max	
Paramete	r Ur	nits Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	mg	/kg 0.034J	1	1	1.0	1.0	96	96	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-42214	98 WM N	IERCURY WAS	ΓE									
Pace Project No.:	40244305												
QC Batch:	415249			Analy	sis Me	thod:	EPA 7471						
QC Batch Method:	EPA 7471	1		Analy	sis De	scription:	7471 Merc	ury					
				Labo	ratory:		Pace Analy	tical Service	es - Green	Bay			
Associated Lab San	nples: 40 40 40	24430503 24430504 24430504	33, 40244305034 40, 4024430504 47, 4024430504	4, 4024430 1, 4024430 3, 4024430	5035, 4 5042, 4 5049, 4	40244305036, 40244305043, 40244305050,	, 402443050 , 402443050 , 402443050)37, 402443)44, 402443)51, 402443	05038, 40 05045, 40 05052	244305039 244305046	9, 8,		
METHOD BLANK:	2390935				Matrix:	Solid							
Associated Lab San	nples: 40 40 40	2443050; 24430504 24430504	33, 40244305034 40, 4024430504 47, 4024430504	4, 4024430 1, 4024430 3, 4024430	5035, 4 5042, 4 5049, 4	40244305036, 40244305043, 40244305050,	, 402443050 , 402443050 , 402443050)37, 402443)44, 402443)51, 402443	05038, 40 05045, 40 05052	244305039 244305046	9, 8,		
				Blar	nk	Reporting							
Param	neter		Units	Res	ult	Limit	Ana	yzed	Qualifier	S			
Mercury			mg/kg		0.023J	0.03	35 05/11/2	2 11:37					
LABORATORY COM	NTROL SAM	/IPLE: 2	2390936										
Paran	neter		Units	Spike Conc.		LCS Result	LCS % Rec	% Re Limi	ec ts	Qualifiers			
Mercury			mg/kg	0.8	3	0.91	10		35-115				
MATRIX SPIKE & M	IATRIX SPI	KE DUPL	ICATE: 23909	937		239093	8						
				MS	MSD								
_			40244305033	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	- ·
Parameter	r	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury		mg/kg	0.087	0.86	0.	86 0.92	0.93	97	99	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-422	1498 WM	MERCURY	WASTI	E												
Pace Project No.:	4024430	05															
QC Batch:	41525	0			Analy	sis Me	thod:		EPA 74	71							
QC Batch Method:	EPA 74	471			Analy	sis De	scriptic	n:	7471 M	ercury	,						
					Labo	ratory:		I	Pace Ar	nalytic	al Service	es - Gree	en Ba	ay			
Associated Lab Sam	nples:	402443050 402443050 402443050)53, 40244)60, 40244)67, 40244	305054 305061 305068	, 4024430 , 4024430 , 4024430	5055, 4 5062, 4 5069, 4	402443 402443 402443	305056, 305063, 305070,	402443 402443 402443	05057 05064 05071	7, 402443 1, 402443 1, 402443	05058, 4 05065, 4 05072	1024 1024	4305059 4305066), ò,		
METHOD BLANK:	2390939	Э				Matrix	: Solid										
Associated Lab Sam	nples:	402443050 402443050 402443050)53, 40244)60, 40244)67, 40244	305054 305061 305068	, 4024430 , 4024430 , 4024430	5055, 4 5062, 4 5069, 4	402443 402443 402443	305056, 305063, 305070,	402443 402443 402443	05057 05064 05071	7, 402443 1, 402443 1, 402443	05058, 4 05065, 4 05072	4024 4024	4305059 4305066), ;,		
					Blan	nk	Re	porting									
Param	neter		Unit	S	Resu	ult	L	imit	A	nalyz	ed	Qualifi	ers				
Mercury			mg/k	kg		<0.010		0.03	5 05/1	1/22	10:26						
LABORATORY COM	NTROL S	AMPLE:	2390940														
Param	neter		Unit	S	Spike Conc.		LCS Result		LCS % Red	0	% Re Limi	ec ts	Qu	ualifiers			
Mercury			mg/ŀ	ĸg	0.8	3		0.85		102	6	35-115			_		
MATRIX SPIKE & M	IATRIX S	PIKE DUP	LICATE:	239094	41		:	2390942	!								
					MS	MSD)										
Dente		1.1	4024430	5053	Spike	Spike		MS	MSD		MS	MSD		% Rec		Max	0
Parameter	ſ		Kes		Conc.	Conc	. r	kesult	Kesu	IT	% Rec	% Rec	; 	LIMITS	RPD	RPD	Qual
Mercury		mg/kg		0.23	1.1		1.1	1.4		1.3	103	ę	94	85-115	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-4221498 WM	MERCURY WAS	TE									
Pace Project No.:	40244305											
QC Batch:	415535		Analy	sis Metho	d:	EPA 7471						
QC Batch Method:	EPA 7471		Analy	/sis Descri	ption:	7471 Mercu	ъ					
			Labo	ratory:		Pace Analyt	cal Servic	es - Green	Bay			
Associated Lab Sar	mples: 402443050	073, 4024430507	4, 4024430)5075, 402 ₄	44305076,	4024430507	7					
METHOD BLANK:	2392256			Matrix: So	olid							
Associated Lab Sar	mples: 402443050	073, 4024430507	4, 4024430	5075, 402	44305076,	4024430507	7					
			Blar	nk	Reporting							
Parar	neter	Units	Res	ult	Limit	Analy	zed	Qualifier	S			
Mercury		mg/kg		<0.010	0.03	05/13/22	2 08:58					
LABORATORY CO	NTROL SAMPLE:	2392257										
			Spike	LC	S	LCS	% R	ec				
Parar	neter	Units	Conc.	Res	sult	% Rec	Limi	ts	Qualifiers			
Mercury		mg/kg	0.8	3	0.84	100) 3	85-115				
MATRIX SPIKE & N	ATRIX SPIKE DUP	LICATE: 2392	258		2392259	9						
			MS	MSD					_			
Descente		40244446001	Spike	Spike	MS	MSD	MS	MSD	% Rec	000	Max	0
Paramete	r Units	Kesult	Conc.	Conc.	Result	Result	% Kec	% Rec	LIMITS	RPD	KPD	Qual
Mercury	mg/kg	0.019J	1.1	1.1	1.1	1.1	101	101	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Parameter

Percent Moisture

Units

%

QUALITY CONTROL DATA

Project: Pace Project No.:	209-42 40244:	21498 WM MERCURY WA 805	STE		
QC Batch:	4151	87	Analysis Method:	ASTM D2974-87	
QC Batch Method:	AST	/I D2974-87	Analysis Description:	Dry Weight/Percent Moisture	
			Laboratory:	Pace Analytical Services - Green Bay	
Associated Lab Sa	mples:	40244305001, 402443050 40244305008, 402443050 40244305015, 402443050	002, 40244305003, 402443050 009, 40244305010, 402443050 016, 40244305017	04, 40244305005, 40244305006, 40244305007, 11, 40244305012, 40244305013, 40244305014,	
SAMPLE DUPLICA	TE: 23	90672	40244305009 Dup	Мах	

Result

16.3

Result

17.1

RPD

4

RPD

10

Qualifiers

Results presented on this page are in the units indicated by	y the "Units'	' column except where an alternate unit is presented to the right of the result.



Project:	209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

QC Batch:	415197	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samp	bles: 40244305018, 402443 40244305060, 402443 40244305067, 402443	305020, 40244305055, 40244305056, 305061, 40244305062, 40244305063, 305068, 40244305069, 40244305070,	40244305057, 40244305058, 40244305059, 40244305064, 40244305065, 40244305066, 40244305071, 40244305072

SAMPLE DUPLICATE: 2390694						
		40244305020	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	13.4	13.2	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	200 4221409 W/M MEDCUDV W/ASTE
Project.	209-4221496 WW WERCORT WASTE

Pace Project No.: 40244305

QC Batch:	415199		Analysis Method:	ASTM D2974-87	
QC Batch Method:	ASTM D2974-87		Analysis Description	on: Dry Weight/Percent Moisture	
			Laboratory:	Pace Analytical Services - Green Bay	
Associated Lab Samp	les: 4024430 4024430 4024430	019, 40244305021 027, 40244305028 034, 40244305035	, 40244305022, 402443 , 40244305029, 402443 , 40244305036, 402443	305023, 40244305024, 40244305025, 40244305026, 305030, 40244305031, 40244305032, 40244305033, 305037, 40244305038, 40244305039	

SAMPLE DUPLICATE: 2390698						
		40244305028	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	20.4	21.4	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

QC Batch:	415204			Analysis M	ethod:	ASTM D2974-87	
QC Batch Method:	ASTM [02974-87		Analysis D	escription:	Dry Weight/Percent Moisture	ž
				Laboratory	:	Pace Analytical Services - G	reen Bay
Associated Lab Samp	oles: 4 4 4	10244305040, 10244305047, 10244305054,	40244305041, 40244305048, 40244305073,	40244305042 40244305049 40244305074	40244305043, 40244305050, 40244305075,	40244305044, 40244305049 40244305051, 40244305052 40244305076, 4024430507	5, 40244305046, 2, 40244305053, 7

SAMPLE DUPLICATE: 2390720						
		40244305048	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%		27.3	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

В

Analyte was detected in the associated method blank.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244305078	RINSE # 1	EPA 7470	415124	EPA 7470	415182
40244305079	RINSE # 2	EPA 7470	415124	EPA 7470	415182
40244305080	RINSE # 3	EPA 7470	415124	EPA 7470	415182
40244305081	RINSE # 4	EPA 7470	415124	EPA 7470	415182
40244305082	RINSE # 5	EPA 7470	415124	EPA 7470	415182
40244305001	A-2	EPA 7471	415009	EPA 7471	415057
40244305002	A-2A	EPA 7471	415009	EPA 7471	415057
40244305003	A-9	EPA 7471	415009	EPA 7471	415057
40244305004	A-9A	EPA 7471	415009	EPA 7471	415057
40244305005	A-9B	EPA 7471	415009	EPA 7471	415057
40244305006	A-9C	EPA 7471	415009	EPA 7471	415057
40244305007	B-1A	EPA 7471	415009	EPA 7471	415057
40244305008	B-2	EPA 7471	415009	EPA 7471	415057
40244305009	B-2A	EPA 7471	415009	EPA 7471	415057
40244305010	B-3	EPA 7471	415009	EPA 7471	415057
40244305011	B-9	EPA 7471	415009	EPA 7471	415057
40244305012	B-9A	EPA 7471	415009	EPA 7471	415057
40244305013	B-9B	EPA 7471	415009	EPA 7471	415057
40244305013	B-9C	EPA 7471	415009	ΕΡΔ 7471	415057
40244305014	C-1	EDA 7471	415000	EPA 7471	415057
40244305015	C-2		415009		415057
40244305010	C-2		415009		415057
40244303017	C-9		415009		415057
40244305010	D-2		415009		415057
40244305019	D-3 D-4	EPA 7471 EPA 7471	415009	EPA 7471 EPA 7471	415057
40244305021	D-4C	FPA 7471	415247	FPA 7471	415324
40244305022	D-9	EPA 7471	415247	EPA 7471	415324
40244305022	D-9A	EDA 7471	415247	EPA 7471	415324
40244305023	D-9R	EDA 7471	415247		415324
40244305024	D-9C	EDA 7471	415247	EPA 7471	415324
40244305025	E-2	EDA 7471	415247		415324
40244305020	E-2		415247		415324
40244305027	E-3 E-4		415247		415324
40244305020	E-4		415247		415324
40244305023	E-6		415247		415324
40244305030	E-0		415247		415324
40244305031	E-0A E-7	EPA 7471 EPA 7471	415247	EPA 7471 EPA 7471	415324
40244305033	E-7A	EPA 7471	415249	EPA 7471	415325
40244305034	= F-9	EPA 7471	415249	EPA 7471	415325
40244305035	E-94	EPA 7471	415240	EPA 7471	415325
40244305035	E-9A F-9B	EPA 7471	415240	EPA 7471	415325
40244305030	E-90	EPA 7/71	415240	ΕΡΔ 7471	415225
10244305031	E-30		415243		415225
10244305030	F-2		415243		415225
40244303038	F-2 E_2		410249		410020
40244303040	г-э F-4		410249		410020
40244305041	F-4		415249		415225
40244303042	F-4A		410249		410020


Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Analytical QC Batch **QC Batch Method** Lab ID Sample ID **Analytical Method** Batch 40244305043 F-5 415249 415325 EPA 7471 EPA 7471 40244305044 F-5A EPA 7471 415249 EPA 7471 415325 40244305045 F-6 EPA 7471 415249 FPA 7471 415325 40244305046 F-6A 415249 EPA 7471 EPA 7471 415325 40244305047 F-7 EPA 7471 415249 EPA 7471 415325 F-7A 40244305048 EPA 7471 415249 EPA 7471 415325 F-8 40244305049 EPA 7471 415249 EPA 7471 415325 40244305050 F-9 EPA 7471 415249 EPA 7471 415325 40244305051 F-9A EPA 7471 415249 EPA 7471 415325 40244305052 EPA 7471 415249 EPA 7471 415325 G-1 40244305053 G-2 EPA 7471 415250 EPA 7471 415326 40244305054 G-3 EPA 7471 415250 415326 EPA 7471 40244305055 G-4 415250 FPA 7471 FPA 7471 415326 40244305056 G-5 EPA 7471 415250 EPA 7471 415326 40244305057 G-6 415250 EPA 7471 EPA 7471 415326 G-7 40244305058 EPA 7471 415250 EPA 7471 415326 40244305059 G-8 EPA 7471 415250 EPA 7471 415326 40244305060 G-9 EPA 7471 415250 EPA 7471 415326 40244305061 G-9A EPA 7471 415250 EPA 7471 415326 40244305062 H-1 EPA 7471 415250 415326 EPA 7471 40244305063 H-2 EPA 7471 415250 EPA 7471 415326 40244305064 H-3 EPA 7471 415250 EPA 7471 415326 40244305065 H-4 EPA 7471 415250 EPA 7471 415326 40244305066 H-5 415250 EPA 7471 EPA 7471 415326 40244305067 H-6 415250 EPA 7471 FPA 7471 415326 H-7 40244305068 EPA 7471 415250 EPA 7471 415326 H-8 40244305069 EPA 7471 415250 EPA 7471 415326 H-9 40244305070 EPA 7471 415250 EPA 7471 415326 40244305071 H-9A EPA 7471 415250 EPA 7471 415326 40244305072 I-1 EPA 7471 415250 EPA 7471 415326 40244305073 I-2 EPA 7471 415535 415609 EPA 7471 40244305074 I-3 EPA 7471 415535 EPA 7471 415609 40244305075 I-4 EPA 7471 415535 EPA 7471 415609 40244305076 I-5 EPA 7471 415535 EPA 7471 415609 40244305077 I-6 EPA 7471 415609 415535 EPA 7471 40244305001 Δ-2 ASTM D2974-87 415187 A-2A 40244305002 ASTM D2974-87 415187 40244305003 A-9 ASTM D2974-87 415187 40244305004 A-9A ASTM D2974-87 415187 40244305005 A-9B ASTM D2974-87 415187 40244305006 A-9C ASTM D2974-87 415187 40244305007 B-1A ASTM D2974-87 415187 40244305008 B-2 ASTM D2974-87 415187 40244305009 B-2A ASTM D2974-87 415187 40244305010 B-3 ASTM D2974-87 415187 40244305011 B-9 ASTM D2974-87 415187 40244305012 B-9A ASTM D2974-87 415187



Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244305013	 B-9B	ASTM D2974-87	415187		
40244305014	B-9C	ASTM D2974-87	415187		
40244305015	C-1	ASTM D2974-87	415187		
40244305016	C-2	ASTM D2974-87	415187		
40244305017	C-9	ASTM D2974-87	415187		
40244305018	D-2	ASTM D2974-87	415197		
40244305019	D-3	ASTM D2974-87	415199		
40244305020	D-4	ASTM D2974-87	415197		
40244305021	D-4C	ASTM D2974-87	415199		
40244305022	D-9	ASTM D2974-87	415199		
40244305023	D-9A	ASTM D2974-87	415199		
40244305024	D-9B	ASTM D2974-87	415199		
40244305025	D-9C	ASTM D2974-87	415199		
40244305026	E-2	ASTM D2974-87	415199		
40244305027	E-3	ASTM D2974-87	415199		
40244305028	E-4	ASTM D2974-87	415199		
40244305029	E-4A	ASTM D2974-87	415199		
40244305030	E-6	ASTM D2974-87	415199		
40244305031	E-6A	ASTM D2974-87	415199		
40244305032	E-7	ASTM D2974-87	415199		
40244305033	E-7A	ASTM D2974-87	415199		
40244305034	E-9	ASTM D2974-87	415199		
40244305035	E-9A	ASTM D2974-87	415199		
40244305036	E-9B	ASTM D2974-87	415199		
40244305037	E-9C	ASTM D2974-87	415199		
40244305038	F-1	ASTM D2974-87	415199		
40244305039	F-2	ASTM D2974-87	415199		
40244305040	F-3	ASTM D2974-87	415204		
40244305041	F-4	ASTM D2974-87	415204		
40244305042	F-4A	ASTM D2974-87	415204		
40244305043	F-5	ASTM D2974-87	415204		
40244305044	F-5A	ASTM D2974-87	415204		
40244305045	F-6	ASTM D2974-87	415204		
40244305046	F-6A	ASTM D2974-87	415204		
40244305047	F-7	ASTM D2974-87	415204		
40244305048	F-7A	ASTM D2974-87	415204		
40244305049	F-8	ASTM D2974-87	415204		
40244305050	F-9	ASTM D2974-87	415204		
40244305051	F-9A	ASTM D2974-87	415204		
40244305052	G-1	ASTM D2974-87	415204		
40244305053	G-2	ASTM D2974-87	415204		
40244305054	G-3	ASTM D2974-87	415204		
40244305055	G-4	ASTM D2974-87	415197		
40244305056	G-5	ASTM D2974-87	415197		
40244305057	G-6	ASTM D2974-87	415197		
40244305058	G-7	ASTM D2974-87	415197		



Project: 209-4221498 WM MERCURY WASTE

Pace Project No.: 40244305

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
40244305059	 G-8	ASTM D2974-87	415197		
40244305060	G-9	ASTM D2974-87	415197		
40244305061	G-9A	ASTM D2974-87	415197		
40244305062	H-1	ASTM D2974-87	415197		
40244305063	H-2	ASTM D2974-87	415197		
40244305064	H-3	ASTM D2974-87	415197		
40244305065	H-4	ASTM D2974-87	415197		
40244305066	H-5	ASTM D2974-87	415197		
40244305067	H-6	ASTM D2974-87	415197		
40244305068	H-7	ASTM D2974-87	415197		
40244305069	H-8	ASTM D2974-87	415197		
40244305070	H-9	ASTM D2974-87	415197		
40244305071	H-9A	ASTM D2974-87	415197		
40244305072	I-1	ASTM D2974-87	415197		
40244305073	I-2	ASTM D2974-87	415204		
40244305074	I-3	ASTM D2974-87	415204		
40244305075	I-4	ASTM D2974-87	415204		
40244305076	I-5	ASTM D2974-87	415204		
40244305077	I-6	ASTM D2974-87	415204		

Pace Analytical*	CH Submitting a s	IAIN-O ample via thi Condition Chain-of-	F-CUSTOD s chain of custody s found at: https: Custody is a LEC	Y Analy constitutes ac //info.pacelab GAL DOCUM	tical Ree knowledgmen s.com/hubfs/p ENT - Comple	quest Do t and acceptance as-standard-ter ete all relevar	ce of the P ms.pdf	e nt ace Terms	and			LAB U	SE ON	ily- Afi	fix Wo	rkorde N	r/Login I ITJL Log-	Label H in Num	ere or ber He	List Pace Workorder Number or ire
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Poport To: Luko Croskator (luko sr	a katar @tatra		Empil Tours	malka						-			lane	Fiese		: type				Project Manager.
Report to: cake specketer (lake.sp	ecketer@tetra	ecn.com)	Email TO: SS	moiko@wi	n.com					** Pre	servati	ve Types	s: (1) ni	tric acid	l, (2) su	lfuric ac	id, (3) hyc	Irochlori	c acid, (4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collecti Grove, WI 5	on Info/Ad 3 182	dress: 2121	1 Durand A	venue,	Union		(6) me (C) arr	thanol moniu	, (7) sodi m hydro	ium bis xide, (I	ulfate, (D) TSP, ((8) sodi U) Unp	um thio reserve	sulfate, (9 d, (0) Oth) hexane er	e, (A) as	corbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			State: WI Co	ounty/City:	Union Gro	ve Time Zor	ne Colle	cted: [┨	r	1		Analy	yses	r			Lab	Profile/Line:
209-4221498	Tau (5 10) 15]PT []MT	[x]CT []ET					4									Cus	tody Seals Present/Intact / N NA
Email:	Site/Facility ID	#: WM M	ercury Waste	e, INC.	[Compliand [x] Yes	e Monitorii [] No	ng?												Cus Col Bot	tody Signatures Present Y N NA lector Signature Present Y N NA tles Intact Y N NA
Collected By (print): Riley Eklund	Purchase Orde Quote #: 0011	er # : 1458			DW PWS I DW Locati											Cor Suf	rect Bottles ficient Volume Ples Pereived on Low Y N NA			
Collected By (signature): <i>Riley</i> Eklund	Turnaround Da	at e Requir	ed: Standard			ss (G)	Γ'n									VOA USD	- Headspate Proceptable Y N NA A Regulated Spils Y N NA			
Sample Disposal: [x] Dispose as appropriate [] Return [] Archive:	Rush: (Expedit [] Same D [] 2 Day [[] 4 Day [te Charges ay [] N] 3 Day] 5 Day	Apply) ext Day		Field Filter [] Yes Analysis: _	red (if applic	cable):		tic (P) or Glas	. Total Merc	•								Sam Res Cl Sam pH	ples in Holding Time YN NA idual Church Yresent YN NA Strips ple physicalle YN NA Strips
Hold:	halaw is Daiati		D140 Carrier		Plast	ž									Sul Lea	fide Present Y N NA d Acetate Strips:				
Product (P), Soil/Solid (SL), Oil (OL	, Wipe (WP), A	ng water ir (AR). Tis	sue (TS), Bioz	a water (Gi assav (B), V	apor (V), O	ther (WW)	,		;je	120									TAD	
Customer Sample ID	Matrix *	Comp / Grab	Collect Composi	ed (or te Start)	Compo	osite End	Res Cl	# of Ctns	intainer Ty	astic (P)									Lab	sample # / Comments:
		Curk		10.40.404			<u> </u>		Ē									4	1201	
A-2	<u> </u>	Grab	4/28/2022	10:40 AM	<u> </u>					X									Š	201
A-2A		Grab	4/28/2022	10:50 AN	1					X	<u> </u>								-15-	
A-9		Grab	4/28/2022	8:10 AM						X							· _		R	$\underline{\mathcal{O}}$
A-3A		Grab	4/28/2022	8:50 AIV						X									\mathbb{R}	<u>Q</u> <u>q</u>
A-50		Grab	4/20/2022	0.40 AIV						×										
		Grab	4/28/2022	8:50 AIV						X									10	x9
B.7 %		Grah	4/20/2022	1.25 DAA						×		<u> </u>							R	<u> </u>
B-7A	3L CI	Grah	4/20/2022	2.30 044						×									R	<u>Vo</u>
P-2A		Grab	4/20/2022	2.30 FIV						×									8	<u></u>
Customer Remarks / Special Condit		Hazards	4/28/2022	11:15 AIV						X	l								$\underline{\bigcirc}$	1 AB Sample Temperature Info:
customer remarks/ special contain		1828103.	Packing Mat	used: terial Used	wet :	Blue D	ry r	vone	G	>	Lab	Trackin	lds Pf	ESENT	(21</td <td>nours)</td> <td>YN</td> <td></td> <td></td> <td>Temp Blank Received: Y N YA Therm ID#: Cooler 1 Temp Upon Receipt</td>	nours)	YN			Temp Blank Received: Y N YA Therm ID#: Cooler 1 Temp Upon Receipt
			Radchem sa	mple(s) sc	reened (<50	00 cpm):	Y N	NA			Sam	ples re EDEX	ceived UPS	l via: S Cli	ient	Courie	r Pace	Courier	•••••	Cooler 1 Therm Corr. Factor:OC Cooler 1 Corrected Temp:OC Comments:
Relinguished by/Company: (Signati	ure)	Date S	2/Time: 12/202	ture)				Date/T	ïme:			 Table	ITJL LAB #:	USE ON	LY					
Relinquished by/Company: (Signatu Fedex	12000 Date/Time: Received by/Company: (Signature) 5/3/22 1000 Company: (Signature) Date/Time: Received by/Company: (Signature)											Date/T 5/3/	ime: 29	100	0	Acctr Tem Preio	num: plate: gin:			Trip Blank Received: Y N NA HCL MeOH TSP Other
Relinquished by/Company: (Signati	y/Company: (Signature) Date/Time: Received by/Pompany: (Signature)											Date/T	ïme:			PM: PB:				NonConformance(s): Page: YES / NO of:

Page 53 of 66

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Pace Analytical*	CH Submitting a si	IAIN-OF ample via this Condition: Chain-of-C	F-CUSTOD s chain of custody s found at: https: Custody is a LEC	Y Analyt constitutes act //info.pacelabs 3AL DOCUME	tical Rec knowledgment .com/hubfs/pa NT - Comple	uest Do and acceptant is-standard-ter te all relevar	cume ce of the F ms.pdf t fields	ent Pace Terms	and			LAB US	SE ONL	Y- Aff	ix Work	order, MT	'Login L JL Log-i	abel Hei n Numb	re or L Der Hei	ist Pace Workorder Number or re
Company: Tetra Tech			Billing Inform	nation: 212	11 Durand	Avenue, U	nion G	rove,		1		A	LL B	OLD	OUT	LINI	ED AR	EAS a	are f	or LAB USE ONLY
Address: 8413 Excelsior Dr #160, M	ladison, WI 537	17	WI 53182									Con	tainer	Presei	vative T	ype *	1.000 M 100 M 1 1		Lab P	Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrat	ech.com)	Email To: ss	molko@wn	n.com					0 ** Pre	servati	ive Types	: (1) niti	ric acid	, (2) sulfu	ric acio	, (3) hydi	rochloric	acid, (4	l) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collecti Grove, WI 5	on Info/Add • 3182	Iress: 2121	1 Durand A	venue,	Union		(C) arr	moniu	im hydrox	um bisu kide, (D)	TSP, (8) sodium	erved,	(O) Othe	hexane, r	(A) asc	orbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			State: WI Co	ounty/City:	Union Grov	/e Time Zor	ne Colle	cted: [<u> </u>	1 1	<u> </u>					1	Lab	Sample Receipt Checklist:
209-4221498 Phone: 608-346-1677	Site/Facility ID	#+ 14/64 64	INI IMI ercuru Maste		JEI	e Monitori			<u> </u>	-									Cust	ody Seals Present/Intact Y N NA
Email:		77. 44 141 141	ciculy waste	5) 114C.	[x] Yes	[]No	IR I												Coll	ector Signature Present Y N NA
uke.specketer@tetratech.com `ollected By (print): Biley Eklund	Purchase Orde	or # ·				<u>ר #י</u>			{										Corr	cect Bottles IN NA
Sheeted by (print). Nicy Lkiuliu	Quote #: 0011	1458			DW Locati	on Code:													Suff	icient Volume Y N NA
Collected By (signature): Riley	Turnaround Da	ate Requir	ed: Standard		Immediate	ly Packed o	on Ice:		ତ	-									VOA	- Headspace acceptable Y N NA
Eklund	D. 1 (5		A		[x]Yes	[] No	- L L		ass	l ng									USDA	Regulated Schils YN NA ples in Holding Time YN NA
Sample Disposal: I x 1 Dispose as appropriate	Kush: (Expedit	e Charges	ext Day		Field Filter	eu (ir applic [x] No	able):		0	Me									Resi	dual Chlorine Present YNNA
] Return	[] 2 Day [] 3 Dav	CALOUY		[][65	[* 100			6	al									Samp	ole pH Acceptable Y N NA
Archive:	[]4 Day [] 5 Day			Analysis:		Ei	14	ĺ								рН S	strips:		
] Hold:			DU() C		0. 14/				Plas'	ž				.					Lead	ide Present Y N NA Acetate Strips:
Product (P), Soil/Solid (SL). Oil (OL), Wipe (WP). A	ing water (ir (AR), Tis	sue (TS), Bioa	assay (B). Va	v), vvastew apor (V), Ot	acer (WW), her (OT)			/pe:	120									ם א ז	
	<u></u>	Comp/	Collect	ed (or			Res	# of	1	e l									Lab	Sample # / Comments:
Customer Sample ID	Matrix *	Grab	Composi	te Start)	Compo	site End	С	Ctns	taine	stic										
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3-9	SL	Grab	4/28/2022	9:00 AM				1		x									C	
3-9A	SL	Grab	4/28/2022	9:10 AM				1		x									\odot	12
3-9B	SL	Grab	4/28/2022	9:20 AM				1		x									0	17
3-9C	SL	Grab	4/28/2022	9:30 AM				1		x									5	iu i
C-1	SL	Grab	4/28/2022	11:30 AM				1		X									K	is is
C-2	SL ·	Grab	4/28/2022	11:45 AM				1		x									0	6
C-9	SL	Grab	4/28/2022	9:40 AM				1	1	x									Ki	9
D-2	SL	Grab	4/28/2022	11:55 AM				1		x						-			K	2
D-3	SL	Grab	4/28/2022	12:10 PM			i —	1		x							-		M	a
D-4	SL	Grab	4/29/2022	11:55 AM				1		×									K	$\dot{\Omega}$
Customer Remarks / Special Condit	ions / Possible I	Hazards:	Type of Ice I	Used:	Wet	Blue Di	v I	Vone			ISHC	DRT HOL	DS PRE	SENT	(<72 ho	urs) :	- <u>Y-N</u>	N/A	<u>ل</u> لل	LAB Sample Temperature Info:
			Packing Mat	erial Used:	·····	· · · · · · · · · · · · · · · · · · ·		_	Lab	Trackin	g#:							Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt: oC		
			Radchem sa	mple(s) sen	eened (<50	0 cpm):	Y N	NA			Sarr Fl	nples rec EDEX	eived UPS	via: Clio	ent Co	urier	Pace C	ourier		Cooler 1 Therm Corr. Factor: oC Cooler 1 Corrected Temp:OC Comments:
Relinquished by/Company: (Signati	ure)	Date 5/2	/Time:	opm	Received by	//Company	: (Signa	ture)				Date/Ti	me:		Т	MT able #	IL LAB U	SE ONL	Y	\bigcirc
Relinquished by/Company: (Signati	ure)	Date 5/	:/Time: 3/22 \1	000	Received by	//Company	: (Signa	ture)	let	1		Date/Ti 5/3/	me: DD	100		empla relog	m: ate: n:			Trip Blank Received: Y N NA HCL MeOH TSP Other
Relinquished by/Company: (Signati	ure)	Date	:/Time:	<u>, , , , , , , , , , , , , , , , , , , </u>				Date/Ti	me:		P	M: B:	•••			Non Conformance(s): Page: YES / NO of: Pag				

Pace Analytical	CH Submitting a s	IAIN-OF ample via this Conditions Chain-of-C	F-CUSTODY s chain of custody cor s found at: https://in Custody is a LEGAL	Analy nstitutes ack 1fo.pacelabs. L DOCUME	rical Rec nowledgment com/hubfs/pa NT - Comple	IUEST DO and acceptand s-standard-ter te all relevar	ce of the l ms.pdf	e nt Pace Terms	and		- - -	LAB USE O	NLY- A	ffix Woi	korder, M1	/Login Lab JL Log-in I	el Here d lumber l	r List Pace Workorder Number or Here
Company: Tetra Tech			Billing Informa	tion: 212	11 Durand	Avenue, U	nion G	rove,		1		ALL	BOL	D OU	TLIN	ED ARE	AS are	e for LAB USE ONLY
Address: 8413 Excelsior Dr #160, M	ladison, WI 537	17	WI 53182									Contain	er Pres	ervative	Type *	*	La	b Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrat	tech.com)	Email To: ssmo	olko@wn	n.com	••••••••••				0 ** Pre	servati	ve Types: (1)	nitric aci	d, (2) sul	furic acio	l, (3) hydrod	hloric acid	, (4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collection Grove, WI 531	Info/Add 82	ress: 2121	1 Durand A	venue,	, Union		(6) me (C) am	moniu	, (7) sodium i m hydroxide,	(D) TSP,	(8) sodiu (U) Unpr	eserved	ulfate, (9) hi . (0) Other _	exane, (A)	ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			State: WI Coun	nty/City: I	Jnion Grov	e Time Zor	ne Colle	ected: [· · · ·		19363			La	b Sample Receipt Checklist:
209-4221498 Phone: 608-346-1677	Site/Eacility ID	#• W/M M	IIPI [JMI [)		JEI Complianc	e Monitori				4							Cu	stody Seals Present/Intact Y N NA
Email:	Siterracinty ib		cically waste, in		[x] Yes	[]No	121										Co	ollector Signature Present Y N NA
Collected By (print): Riley Eklund	Purchase Orde	er # :			DW PWS II	D #:			1								Co	prrect Bottles Y N NA
	Quote #: 0011	1458	- 4. Chan. 1. 1		DW Locatio	on Code:				1 .						.	Sa	mples Received on Ice Y N NA
Collected By (signature): <i>Riley</i> Sklund	l urnaround Da	ate Require	ed: Standard		Immediate	ly Packed c	on Ice:		0 0	Ę							VC	DA - Headspace Acceptable Y N NA
Sample Disposal:	Rush: (Expedit	te Charges	Apply)		Field Filter	ed (if applic	able):		Glas	erci							Sa	mples in Holding Time YN NA
x] Dispose as appropriate	[] Same D	ay []N	ext Day		[]Yes	[x]No			P	Σ							C]	Strips:
] Return] Archive:	[]2 Day [] 3 Day							(d)	ota							Sa	mple pH Acceptable Y N NA
] Hold:	[] 4 Day [J 5 Day			Analysis: _				stic								Su	lfide Present Y N NA
* Matrix Codes (Insert in Matrix bo)	(below): Drinki	ng Water (DW), Ground W	Vater (GW	/), Wastew	ater (WW),				SO N							Le	ad Acetate Strips:
Product (P), Soil/Solid (SL), Oil (OL	.), Wipe (WP), A	ir (AR), Tis	sue (TS), Bioass	ay (B), Va	por (V), Ot	her (OT)			Å,	1;							LÆ	B USE ONLY:
	1	Comp/	Collected	(or	Compo	site End	Res	# of	ner	ic (F							Lā	b Sample # / Comments:
Lustomer Sample ID	Matrix	Grab	Date	Start) Time	Date	Time		Ctns	ontai	lasti								
		Grah	4/20/2022 12	2:40 DM					<u> </u>	<u> </u>								
)-4C	5L C1	Grab	4/23/2022 1	6-25 DM														
)-0A	5L C1	Grab	4/27/2022	6-20 DM													<u> </u>	ix a
) 0P	51	Grab	4/27/2022	0:30 PIVI						X							—Ķ	
	SL	Grab	4/27/2022	0.33 PIVI						X								****
		Grab	4/27/2022	4.10 DM						×							<u> </u>	<u>5</u> 2 <u>5</u>
	<u>SL</u>	Grab	4/2//2022	4:10 PIVI						X -							<u> </u>	20
	SL	Grab	4/2//2022	4:25 PM						X				-			<u> </u>	∞
-4	SL	Grab	4/2//2022 4	4:45 PM				1	<u> </u>	X							<u> </u>	<u>778</u>
	SL	Grab	4/28/2022 :	3:30 PM						. X					· .		K	29
Customer Remarks / Special Condit	ions / Possible I	Hazards	4/29/2022		147-4					X	Icuro							
	.01371033.0101	1020103.	Packing Materi	ed: ial Used:	wet		γ i	None	0	·	Lab	Tracking #:	RESEN	(2 h</td <td>ours) :</td> <td><u> </u></td> <td>т\/A</td> <td>Temp Blank Received: Y N NA Therm ID#:</td>	ours) :	<u> </u>	т\/A	Temp Blank Received: Y N NA Therm ID#:
			Radchem samp	ple(s) sere	ened (<50	0 cpm):	Y N	NA			Sam FE	ples receive DEX UI	ed via: PS C	lient (Courier	Pace Cou	rier	Cooler 1 Temp opon Receipt: _OC Cooler 1 Therm Corr. Factor _OC Cooler 1 Corrected Temp:OC
Relinquished by/Company: (Signatu	ure)	Date 5/1	e/Time: 2/2022 3:20	pm f	Received by	/Company	: (Signa	iture)			Jana	Date/Time:			MT Table i	JL LAB USE t:	ONLY	
Relinquished by/Company: (Signatu Fedex	ure)	Date 5	2/Time: 3/22 100	20 /		Company	iture)	fe)	0		Date/Time: 5/3/12	100	∞	Acctnu Templ Prelog	im: ate: in:		Trip Blank Reteived: Y N NA HCL MeOH T5P Other	
Relinquished by/Company: (Signati	ature) Date/Time: Received by/Company: (Signature)											Date/Time:			РМ: РВ:			Non Conformance(s): Page: YES / NO of: Page

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Pace Analytical*	CH Submitting a s	IAIN-OF sample via this Condition Chain-of-	-CUSTOD s chain of custody is found at: https: Custody is a LE)Y Analy y constitutes ar :://info.pacelab :GAL DOCUM	tical Rec cknowledgment is.com/hubfs/p IENT - Comple	t and acceptani as-standard-ter ete all releva)CUM ce of the rms.pdf nt fields	ent Pace Term:	s and			LAB U	JSE ON	iLY- Af	fix W	orkord	ier/Lo MTJL	igin Lab Log-in I	oel Hero Numbe	e or List Pace Workorder Number or ar Here
Company: Tetra Tech			Billing Inform	mation: 21	211 Durand	Avenue, U	Jnion G	irove,		1			ALL	BOL	D OI	UTLI	NED) ARE	:AS a	are for LAB USE ONLY
Address: 8413 Excelsior Dr #160, M	ladison, WI 537	/17	WI 53182									Co	ntaine	r Prese	ervativ	ve Typ	e **			Lab Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetra	tech.com)	Email To: ss	molko@wr	m.com					- 0				itric aci						noid (A) codium hydrovida (S) zinc postata
Copy To: Riley Eklund (riley.eklund	@tetratech.con	n)	Site Collecti	ion Info/Ad	dress: 2121	1 Durand /	Avenue	., Union		- (6) m ² (C) at	ethanc mmon	ol, (7) soc	dium bis oxide, (sulfate,	(8) soc (11) Un	dium th	niosulfa ved. (O	ite, (9) h	exane, (A) ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			Grove, WI 5	3182	Union Gro	Time 70		octed: [-				Anal	lyses	p.ccc.				Lab Profile/Line:
209-4221498			JPT []MT	[x]CT [JET	/C THE 201	16 Conc				Γ	Τ,				Ι	Γ			Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA
Phone: 608-346-1677 Email:	Site/Facility ID) #: WM M(ercury Waste	a, INC.	Compliance [x] Yes	.e Monitorir [] No	ng?		Ī											Custody Signatures Present Y N NA Collector Signature Present Y N NA
luke.specketer@tetratech.com Collected By (print): Riley Eklund	Purchase Orde	er # :			DW PWS I	D#:			-											Bottles Intact YN NA Correct Bottles Y N NA
Collected By (signature): @:/	Quote #: 0011	.1458	od: Standard		DW Locatio	on Code:						· · · !								Sufficient Volume Y N NA Samples Received on Ice Y N NA
Eklund		ate Keyun	20: Stanuaru		[x]Yes	IV Packed o	in ice:		ass (G	- Ang										VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA
Sample Disposal: [x] Dispose as appropriate	Rush: (Expedit	te Charges	Apply) ext Day		Field Filter	ed (if applic	:able):		r 6la	Мег										Samples in Hozon's Tyme Y N NA Residual Chlotine Dresent Y N NA
[]Return	[] 2 Day [[] 3 Day	Ext Day			[*]100			o (d)	otal										Cl Strips: Sample pH Acceptable Y N NA
] Archive:	[]4 Day [[] 5 Day			Analysis: _			astic	יד ער		'								PH Strips:	
* Matrix Codes (Insert in Matrix box Product (P) Soil/Solid (SL) Oil (OL	x below): Drinkir	ng Water (DW), Ground	J Water (GV	N), Wastew	ater (WW),	,		pe: Pl	120 N										Lead Acetare Strips:
		Comp/	Collect	ted (or			Res	# of	er Tyl	(d										LAB USE ONLY: Lab Sample # / Comments:
Customer Sample ID	Matrix *	Grab	Composit	te Start)	Compos	Ctns	ntaine	astic												
		Crah	Date	Lime	Date	Time		<u> </u>	Ğ	ä	_	$\downarrow \downarrow$		$\left - \right $		 	_			
		Grah	4/29/2022	10:15 AN	. '			$\frac{1}{1}$	–	+ <u>×</u>	+	- 			├		–			
/ - 7A		Grah	4/25/2022	10:45 AM	.['	 '		+ + + + + + + + + + + + + + + + + + + +	–	+	+	+		$\left - \right $	├	–		- 		
:-/A 		Grab	4/25/2022	5-40 PM	. '		┼──	+	┼──		+	+			<u> </u>	┼──	┼──			
		Grab	4/21/2022	5.50 PM	. /	 '		+		<u>+</u> ˆ	+	++			├	┼──	–			
		Grah	4/21/2022	6-05 PM	<u> </u> '	 '		+	—	÷	+	+		├		┼	┢			
		Grab	4/21/2022	6.10 PM	<u> </u> '	 '	┼──	+		+	┼──	++	┝──┤	┝──┤	┝		╂───	- 		
F-1		Grab	A/27/2022	10:45 AM	¦!	<u> '</u>		+ 1		+	\vdash	++			├	+	┼──	+	\vdash	$\mathcal{O}\mathcal{O}$
		Grab	4/27/2022	10:55 AM	¦!	ł'	 	+		$+\frac{}{x}$	+	++			<u> </u>		╂───	+		
 F-3	SL	Grab	4/27/2022	11:05 AM	<u> </u>	<u> </u>		1	 	X	┼──	+-+				┼──		+		AUC I
Customer Remarks / Special Condit	tions / Possible /	Hazards:	Type of Ice !	Used:	Wet	Blue D	rv f	None		denner	Ish'	ORT HO	DS PF	RESENT	Г (<72	hours	<u>۲_</u> ۱۰	<u></u>	N/A	LAB Sample Temperature Info:
		1	Packing Mat	terial Used:				\bigcirc			Lab	Trackir	ig #.				<u></u>			Temp Blank Received: Y N NA Therm ID#:
			Radchem sa	imple(s) scr	NA			San F	nples re EDEX	ceived	l via: 5 Cl	lient	Couri	ier Pi	ace Cou	urier	Cooler 1 Themp Upon ReceiverOC Cooler 1 Therm Corr. Factor:OC Cooler 1 Corrected Temp:OC			
Relinguished by/Company: (Signatu	Jre)	Date 5/2	/Time: /ZJ22 3.	20 PM	Received by	iture)			<u></u>	Date/T	íime:			Tab	MTJL L ole #:	AB USE	ONLY			
Relinquished by/Company: (Signatu	Jre)	Date 51	/Time: 2/20)[m	Received by	iture)	1,0	,		Date/T 5/3/	lime:	100	Y)	Ассі Теп	tnum: nplate:	:		Trip Blark Received: Y N NA HCL MeOH TSP Other		
Relinquished by/Company: (Signatu	ure)	Date	//////////////////////////////////////	iture)	<u>57</u>		·	Date/T	lime:			Prel PM: PB:	login: :			Nor Conformance(s): Page: YES / NO of: Page				

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Pace Analytical*	CH Submitting a s	HAIN-O sample via thi Conditior Chain-of-	F-CUSTODY s chain of custody c s found at: https:// Custody is a LEGA	/ Analy constitutes ac /info.pacelab AL DOCUM ¹	tical Red knowledgmen s.com/hubfs/p ENT - Comple	quest Do it and acceptan jas-standard-te ete all releva)CUM6 Ice of the i Irms.pdf Int fields	2 nt Pace Terms	and			LABU	SE ONL	.Y- Affi	ix Wor	korde M	r/Login I TJL Log-	abel He in Numb	re or l Der He	Ist Pace Workorder Number or re	5
Company: Tetra Tech			Billing Inform	ation: 21	211 Duranc	d Avenue, l	Jnion G	rove,		1			ALL B	OLD	OU	TLIN	ED AI	REAS	are	for LAB USE ONLY	
Address: 8413 Excelsior Dr #160, N	1adison, WI 537	'17	WI 53182							Lucion		Cor	ntainer	Preser	vative	Туре *	**		Lab I	Project Manager:	
Report To: Luke Specketer (luke.sp	ecketer@tetra	tech.com)	Email To: ssm	iolko@wr	n.com					0 ** Pre	servati	ve Types	s: (1) nitr	ric acid,	. (2) sulf	uric aci	id, (3) hyc	rochloric	acid, (4	4) sodium hydroxide, (5) zinc acetate,	
Copy To: Riley Eklund (riley.eklund	@tetratech.com	n)	Site Collection Grove, WI 53	n Info/Add 182	dress: 2121	1 Durand /	Avenue,	, Union		(6) me (C) am	thanol	, (7) sod m hydro	ium bisu xide, (D)	lfate, (l) TSP, (l	8) sodiu J) Unpr	m thio: eserved	sulfate, (9 I, (0) Oth) hexane, er	, (A) asc	corbic acid, (B) ammonium sulfate,	/
Customer Project Name/Number: 209-4221498			State: WI Cou]PT []MT [unty/City:	Union Gro	ve Time Zo	ne Colle	cted: [Analy	ses			1	Lab	Sample Receipt Checklist:	
Phone: 608-346-1677 Email: Iuke specketer@tetratech.com	Site/Facility ID	#: WM M	ercury Waste,	INC.	Compliand [x] Yes	ce Monitori [] No	ng?												Cust Coll Bott	cody Signatures Present Y L lector Signature Present Y cles Intact	N NA NA N NA
Collected By (print): Riley Eklund	Purchase Orde Quote #: 0011	er # : 1458			DW PWS I DW Locati	D #: ion Code:											Cori Suff Samr	rect Bottles ficient Volume oles Received on Ice	NNA NNA NNA		
Collected By (signature): <i>Riley</i> Eklund	Turnaround Da	ate Requir	ed: Standard		Immediate [x]Yes	ely Packed ([] No	on Ice:		ss (G)	L IN			ъ.,						VOA USDA	- Headspace Acceptable Y	N NA N NA
Sample Disposal: [x] Dispose as appropriate [] Return [] Archive: [] Hold:	Rush: (Expedi [] Same D [] 2 Day [[] 4 Day [te Charges Day [] N [] 3 Day [] 5 Day	s Apply) ext Day		Field Filter [] Yes Analysis: _	red (if appli	stic (P) or Gla	IL Total Mer									Resi Cl S Samp pH S Sulf	Idual Chlorfie Present Y i Strips: Dle pH Acceptole Y i Strips: Fide Present Y	N NA N NA N NA		
* Matrix Codes (Insert in Matrix bo Product (P) Soil/Solid (SL) Oil (OI	x below): Drinki	ng Water ir (AR). Tis	(DW), Ground V	Water (GV	N), Wastew	vater (WW)	pe: Pla	120 M									Lead	Acetato Strips:	-		
Customer Sample ID	Matrix *	Comp/ Grab	Collecter Composite Date	d (or Start) Time	Compc Date	osite End	Res Cl	# of Ctns	Container Ty	Plastic (P)									LAD	Sample # / Comments:	
F-4	SL	Grab	4/27/2022	11:15 AM		1	+	1		x			[-	-					Ø		
F-4A	SL	Grab	4/27/2022	11:40 AM		1	1	1	1	x									0	uz	
F-5	SL	Grab	4/27/2022	1:15 PM		1	1	1		x									Õ	43	
F-5A	SL	Grab	4/27/2022	1:30 PM				1		x									Õ	44	
F-6	SL	Grab	4/27/2022	1:40 PM		1	-	1	1	x									A	15	
F-6A	SL	Grab	4/27/2022	1:50 PM		1		1		X									M	UG	
F-7	SL	Grab	4/27/2022	2:55 PM			1	1		x									\square	17	
F-7A	SL	Grab	4/27/2022	3:05 PM				1		X									D	18	
F-8	SL	Grab	4/27/2022	3:20 PM				1		x									O	L1a	
F-9	5L	Grab	4/27/2022	3:40 PM				1		. X									\mathbb{O}	50	
Customer Remarks / Special Condi	tions / Possible I	Hazards:	Type of Ice Us Packing Mate	sed: rial Used:	Wet	Blue D	ry I	None			SHC Lab	ORT HOL Trackin	DS PRE		(<72 h	ours) :	Y N	<u>N/A</u>		LAB Sample Temperature Info: Temp Blank Received: Y N Therm ID#: Cooler 1 Temp Upon Receipt Cooler 1 Therm Corr. Factor	A C C
Relinguished hv/Company: (Signat	ure)		Radchem sam	iple (s) scr	eened (<50)0 cpm):	Y N	NA ature)			FI	DEX	UPS	Clie	ent C	ourier	Pace (~	Cooler 1 Corrected Temp: Comments:	OC
US they	,	5/2	2/222 3:2	əpm									Table	#:							
Relinquished by/Company: (Signation of Company): (Sign	ure)	Date 5	e/Time: 3/22-10	Ø)		y/Company	lel	1		Date/T	ime: JQ	100	Ø	Acctn Temp Prelog	um: late: gin:			Trip Blank Received: Y N N HCI MeOH TSP Other	A		
Relinquished by/Company: (Signat	ature) Date/Time: Received by/Company: (Signature)											Date/T	ïme:			PM: PB:				Nor Conformance(s): Page: YES / NO of:	 Pao

Pace Analytical*	CH Submitting a s	IAIN-OF ample via this Condition Chain-of-(-CUSTOD s chain of custody s found at: https:/ Custody is a LEG	Y Analy constitutes ac /info.pacelabs AL DOCUME	tical Rec knowledgment com/hubfs/pa NT - Comple	uest Do and acceptant as-standard-ter te all relevar)CUM ce of the rms.pdf nt fields	ent Pace Terms	s and			LABUS	SE ON	LY- Afi	fix Wor	korder M	r/Login TJL Log	Label H -in Nun	lere or nber He	List Pace Workorder Number or ere
Company: Tetra Tech			Billing Inform	nation: 212	211 Durand	Avenue, U	Inion G	irove,				A	ALL E	BOLE) OU	TLIN	ED A	REAS	6 are	for LAB USE ONLY
Address: 8413 Excelsior Dr #160, N	ladison, WI 537	17										Con	itainer	Prese	rvative	Type *	k #		Lab	Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrat	tech.com)	Email To: ssn	10lko@wn	n.com					0 ** Pre	eservat	tive Types	: (1) ni	tric acid	l, (2) suli	furic aci	id, (3) hy	/drochlor	ric acid,	(4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	a)	Site Collectio Grove, WI 5	n Info/Add 3182	dress: 2121	1 Durand A	venue	., Union		(6) m (C) an	ethano nmonii	ol, (7) sodi um hydrox	um bis xide, (D	ulfate, ()) TSP, ((8) sodiu U) Unpr	eserved	sulfate, I, (O) Ot	(9) hexan her	ie, (A) a:	scorbic acid, (B) ammonium sulfate,
Customer Project Name/Number:		**	State: WI Co	unty/City:	Union Gro	ve Time Zor	ne Colle	ected: [1	1	1 1		Anai	yses				Lab	Sample Receipt Checklist:
209-4221498	101 - 15 - 111 - 17		PT []MT	[x]CT [JET					-									Cus	stody Seals Present/Intact YN NA
Email:	Site/Facility ID	#: WM M	ercury Waste,	, INC.	Compliance [x] Yes	e Monitorii [] No	ng?											12	Cus Col	stody Signatures Present X N NA lector Signature Present Y N NA
uke.specketer@tetratech.com					014 0140	4										Bot	THES INTACT Y N NA			
Collected By (print): Riley Eklund	Purchase Orde	21 # : 1458			DW PWS I	J #: on Codo:											Suf	ficient Volume Y N NA		
Collected By (signature): Rilaw	Turnaround D	ate Requir	ed: Standard		1 🚊					:					Sam VOP	nples Received on Ide Y N NA - Headspace Acceptable Y N NA				
Eklund					[x]Yes	[] No	000	L S									USI	DA Regulated Spils Y N NA		
Sample Disposal:	Rush: (Expedi	te Charges	Apply)		Field Filter	Glas	erc									San	nples in Holding Time Y N NA Nidual Chloring Present Y N NA			
[x] Dispose as appropriate	[] Same D	Jay []N	ext Day	1	[]Yes	[x]No			5	W									C1	Strips:
] Return	[] 2 Day [] 3 Day		ļ	(a)	ota			1						San	nple pH Acceptable Y N NA				
] Hold:	[] 4 Day [J2 Day [] 3 Day J2 Day [] 5 Day J4 Day [] 5 Day Analysis:																·	рл Sul	fide Present Y N NA
* Matrix Codes (Insert in Matrix bo	x below): Drinki	ng Water (DW), Ground		1 🖥	NO									Lea	d Acetite Strips:				
Product (P), Soil/Solid (SL), Oil (Ol	.), Wipe (WP), A	ir (AR), Tis	sue (TS), Bioa	ssay (B), Va	apor (V), Ot	her (OT)			ype	12									LAE	USE ONLY:
	1	Comp /	Collecte	d (or	Compo	cito End	Res	# of	15	e e									Lab	Sample # / Comments:
Customer Sample ID	Matrix *	Grab	Composit	e Start)	Compo		CI	Ctns	tain	stic										/
			Date	Time	Date	Time		1	l G	Pla										
F-9A	SL	Grab	4/27/2022	3:45 PM				1	1	x									TC	051
G-1	SL	Grab	4/27/2022	8:15 AM				1		x	1								10	162
G-2	SL	Grab	4/27/2022	9:00 AM				1		x		+							Ŕ	053
G-3	SL	Grab	4/27/2022	9:10 AM			1	1		x									7	FU
G-4	SI	Grab	4/27/2022	9:20 AM			+	$+ \frac{-}{1}$		T v	+	++							-17	ET.
G-5		Grah	A/27/2022	0-30 AM			<u>+</u>	+		÷		++							\dashv	<u>5</u>
G-5		Grab	4/27/2022	9.30 AN			—			×										26
0-D	<u> </u>	Grab	4/2//2022	9:35 AM		<u> </u>				×										<u>b</u> /
G-7	SL	Grab	4/27/2022	9:45 AM		ļ	<u> </u>	1	<u> </u>	X	ļ								-C	<u>258</u>
G-8	SL	Grab	4/27/2022	10:00 AM				1		X									0	59
G-9	SL	Grab	4/27/2022	10:10 AM				1		X									IC	60 /
Customer Remarks / Special Condi	ions / Possible I	Hazards:	Type of Ice U	sed:	Wet	Blue D	ry	None			SHO	ORT HOL	DS PR	ESENT	(<72 h	ours) :	Y	N N//	4	TAB Sample Temperature Info:
			Packing Mate	erial Used:	<u>.</u> .			\bigcirc			Lab	Tracking	g #:						· · · · · · · · · · · · · · · · · · ·	Temp Blank Received: Y N NA Therm ID#:
			Radchem sar	I NA	• • • •		San	nples rec EDEX	eived UPS	via: Cli	ent C	ourier	Pace	Courier		Cooler 1 Corrected Temp:OC Cooler 1 Corrected Temp:OC				
Relinguished by/Company: (Signati	ure)	Date 5/2	/Time: 2/2022 3:	ature)			adoren	Date/Ti	ime:			M Table	TJL LAB #:	USE ON	ILY	0/				
Relinquished by/Company: (Signati Fedex	ıre)	Date 51	:/Time: 3/22_ [1	ÂĞ	D		Date/Ti 5/3/	ime: 12	10	00	Acctn Temp Prelog	um: late: gin:	. ·		Trip Blank Received: Y N NA HCL MeOH TSP Other					
Relinquished by/Company: (Signati	y: (Signature) Date/Time: Received by/Company: (Signature)											Date/Ti	ime:			PM: PB:	- 			Nor Conformance(s): Page: YES / NO of:

Pace Analytical*	CH Submitting a s	AIN-OF ample via this Condition: Chain-of-C	F-CUSTOD s chain of custody s found at: https:/ Custody is a LEG	Y Analy constitutes ac /info.pacelabs AL DOCUMI	tical Req knowledgment s.com/hubfs/pa ENT - Comple	uest Do and acceptanc s-standard-ter te all relevan	cum e of the ms.pdf t fields	E nt Pace Terms	and			LAB US	SE ON	LY- Affi	x Wo	orkorde N	er/Log MTJL L	in Labe og-in N	l Here d umber l	br List Pace Workorder Number or Here
Company: Tetra Tech	•		Billing Inform	nation: 212	211 Durand	Avenue, U	nion G	rove,				A		BOLD	OL	JTLI	NED	ARE/	AS are	e for LAB USE ONLY
Adaress: 8413 Excelsior Dr #160, N	nadison, Wi 537	1/										Con	tainer	Preser	vativ	е Туре	**		La	b Project Manager:
Report To: Luke Specketer (luke.sp	becketer@tetrat	tech.com)	Email To: ssr	nolko@wr	n.com					O ** Pre:	servat	ive Types:	: (1) ni	tric acid,	(2) su	ulfuric a	cid, (3)	hydroch	loric acio	d, (4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	ו)	Site Collection Grove, WI 5	on Info/Add 3182	dress: 2121:	l Durand A	venue	, Union		(6) me (C) am	thano moniu	l, (7) sodiı ım hydrox	um bis cide, (E	ulfate, (8 0) TSP, (L	3) sod J) Unp	ium thi preserve	osulfat ed, (O)	e, (9) he: Other	ane, (A)	ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			State: WI Co	unty/City:	Union Grov	e Time Zor	e Colle	ected: [1		<u> </u>		Analy	ses	[]		·	La La	ab Profile/Line:
209-4221498]PT []MT	[x]CT []ET														Cı	ustody Seals Present/Intact Y N/NA
Phone: 608-346-16// Email:	Site/Facility ID	#: WM M	ercury Waste	, INC.	Compliance [x]Yes	e Monitorii [] No	ng?												Ci Co Bo	ustody Signatures Present Y N NA ollector Signature Present N NA ottles Intact V N NA
uke.specketer@tetratech.com Collected By (print): Riley Eklund	Purchase Orde	er#:			DW PWS I)#:	-										Co	prrect Bottles Y N NA		
	Quote #: 0011	1458			DW Locatio	on Code:				1.									ຣາ ຣະ	ufficient Volume Y N NA amples Received on Ice Y N NA
Collected By (signature): Riley	Turnaround Da	ate Requir	ed: Standard		Immediate	ly Packed o	n Ice:		(0	2						-			vo	DA - Headspace Acceptable Y N NA
Eklund Sampla Disposali	Ruch: /Evnodit	to Charger	Annly		[X]Yes	[]No	able		lass	LCU									Sa	amples in Holding Time Y N NA
a inpre Disposar. (x) Dispose as appropriate	Same D	ay [] N	ext Day		[]Yes	(n applic (x) No	ane):		sr G	Me									Re	esidual Chlorine Present Y N NA
] Return	[]2 Day [] 3 Day	1		1.00	[]0			(d	otal									Sa	ample pH Acceptable Y N NA
] Archive:	[] 4 Day [] 5 Day			Analysis: _		tic (Ĕ									pl	H Strips:		
Matrix Codes (Insert in Matrix bo	v below): Drinki	ng Water (DW) Ground	Water (G)	l M) Wastew	ator (\\/\\/)	Plas	IW									Le	ead Acetate Strips:		
Product (P), Soil/Solid (SL), Oil (Oi	L), Wipe (WP), A	ir (AR), Tis	sue (TS), Bioa	ssay (B), V	apor (V), Ot	her (OT)			/pe:	120				[т.2	AB USE ONLY:
	1	Comp/	Collecte	ed (or			Res	# of	۲.	(b)				:					La	ab Sample # / Comments:
Customer Sample ID	Matrix *	Grab	Composit	e Start)	Compo	site End	С	Ctns	taint	stic										/
			Date	Time	Date	Time			Cont	Pla										
G-9A	SL	Grab	4/27/2022	10:15 AM				1		x									7	961
H-1	SL	Grab	4/26/2022	3:30 PM				1		X									1	KI
H-2	SL	Grab	4/26/2022	4:10 PM				1		X			_							963
H-3	SL	Grab	4/26/2022	4:20 PM				1		x									- 7	MEU
H-4	SL	Grab	4/26/2022	4:40 PM				1	1	x		++							-	N/F
		Grah	4/26/2022	5:00 PM				- <u>-</u>											}	
u c		Grab	4/26/2022	5.00 T M																
n-o		Giab	4/20/2022	5.10 FW						. X									— Ç	\$
1-7		Grab	4/26/2022	5:20 PM				1		X									<u> </u> Γ	68
1-8	SL	Grab	4/26/2022	5:35 PM				1		X									_4	69
H-9	SL	Grab	4/26/2022	5:50 PM				1		X	-								(
Customer Remarks / Special Condi	itions / Possible I	Hazards:	Type of Ice L Packing Mat	Ised: erial Used:	Wet	Blue Di	$\sum_{i=1}^{N}$	None			SHC	ORT HOL	DS PR	ESENT	(<72-	hours)	r: Y	N	N/A	LAB Sample Temperature Info: — Temp Blank Received: Y N XA Therm ID#:
											<u> </u>									Cooler 1 Temp Upon Receipt:oC
			Radchem sa	nple(s) scr	eened (<50	D cpm):	Y N	NA			San	ples rec	eived:	via:	ant .	Court	or Do		ior	Cooler 1 Corrected Temp
							10						UPS		ent	Courie	er Pa	ce cou	ier	Comments: (l)
Relinquished by/Company: (Signat	ure)	Date 5/	2/2022 3	izo pm	Received by	/Company	: (Signa	iture)				Date/Ti	me:			N Tabi	итј Ц е #:	AB USE	UNLY	- 7
Relinquished by/Company: (Signat	ure)	Date 5	e/Time: 13/20	000		/Company	iture)	de	1		Date/Ti 5136	me: 22	100	C	Acct Tem Prel	num: plate: ogin:			Trip Blank Received: Y N NA HCL MeOH TSP Other	
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Pace Analytical*	CH Submitting a s	IAIN-OF ample via this Condition Chain-of-(-CUSTOD chain of custody s found at: https:// Custody is a LEG	Y Analy constitutes ac //info.pacelabs GAL DOCUM	tical Rec knowledgment s.com/hubfs/pa ENT - Comple	JUEST DO and acceptand s-standard-ter te all relevar	cume ce of the f ms.pdf nt fields	ent Pace Terms	and			LAB USE	ONL	Y- Affi	ix Wo	rkorde N	r/Logir 1TJL Log	Label H -in Nun	lere or nber He	ere UDR44305
Company: Tetra Tech			Billing Inform	mation: 212	211 Durand	Avenue, U	nion G	rove,				AL	L B	OLD	OU	ITLIN	IED A	REAS	5 are	for LAB USE ONLY
Address: 8413 Excelsior Dr #160, N	ladison, WI 537	17	441 33102							CONTRACTOR .		Contai	ner f	Preser	vative	e Type	**		Lab	Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrat	ech.com)	Email To: ssi	m olko@w r	n.com					O ** Pres	ervat	ive Types: (1	.) nitri	ic acid,	, (2) su	Ifuric ad	id, (3) h	ydrochloi	ric acid,	(4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collectio Grove, WI 5	on Info/Add 3182	dress: 2121	1 Durand A	venue,	Union		(C) ami	moniu	ı, (7) sodium ım hydroxid	e, (D)	TSP, (I	8) sodi U) Unp	um thic reserve	d, (O) O	(9) hexar her	ie, (A) as	scorbic acid, (B) ammonium sulfate,
Customer Project Name/Number:			State: WI Co	ounty/City:	Union Grov	e Time Zor	ne Colle	cted: [<u> </u>	Analy	1		T	·	Lab	o Sample Receipt Checklist:
209-4221498 Phone: 608-346-1677					JEI Comuliana					-									Cus	stody Seals Present/Intact Y N/NA
Email:	Site/Facility ID	#: 99191 191	ercury waste	:, INC.	[x] Yes	[]No	ıgr												Col Bot	Llector Signature Present NNA tles Intact Y NNA
Collected By (print): Riley Eklund	Purchase Orde	er # :			DW PWS II	D #:			1										Cor	crect Bottles Y N NA
	Quote #: 0011	1458			DW Locati	on Code:													San	mples Received on Ice Y N NA
Collected By (signature): <i>Riley</i> Eklund	Turnaround Da	ate Requir	ed: Standard		Immediate [x] Yes	ly Packed o [] No	on ice:		ss (G)	N II									VOA USD	A - Headspace Acceptable Y N NA DA Regulated Soils Y N NA
Sample Disposal:	Rush: (Expedit	te Charges	Apply)		Field Filter	ed (if applie	able):		Gla	E E									Res	sidual Chloride Present Y N NA
X] Dispose as appropriate	[] Same D	ay []N	ext Day		[]Yes	[x]No			þ	N									C1	Strips:
J Archive	[] 2 Day [] 3 Day				(d)	ŏ									San	nple pH Acceptable Y N NA			
] Hold:	[] 4 Day [] 5 Day			Analysis: _		stic	121									Sul	fide Present Y N NA		
* Matrix Codes (Insert in Matrix bo Product (P), Soil/Solid (SL), Oil (Ol	k below): Drinki .), Wipe (WP), A	ng Water (ir (AR), Tis	DW), Ground sue (TS), Bioa	l Water (GV Issay (B), V	V), Wastew apor (V), Ot	ater (WW) her (OT)	,		ype: Pla) 120 N									Lea LAB	ad Acetate Strips:
		Comp /	Collect	ed (or	Compo	site End	Res	# of] j	e									Lab	> Szmple # / Comments:
Customer Sample ID	Matrix *	Grab	Composit Date	te Start) Time	Date	Time	CI	Ctns	Contair	Plastic										
1-9A	SL	Grab	4/26/2022	6:10 PM			· · ·	1		x									10	77
-1 .	SL	Grab	4/26/2022	10:25 AM				1		x									17	72
-2	SL	Grab	4/26/2022	2:00 PM				1		x									5	573
-3	SL	Grab	4/26/2022	2:25 PM				1		x		<u> </u>							1	574
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	51	Grab	4/26/2022	3.15 DM								-		-+					-12	77
·v	3L	Grab	+/20/2022	3.13 FIVI		l				×		<u> </u>							P	// (
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Customer Remarks / Special Condi	tions / Possible l	Hazards:	Type of Ice L Packing Mat	Jsed: :erial Used:	Wet	Blue D		Vone			SHC Lab	ORT HOLDS	PRE	SENT	(<72)	hours)		Ν̈́Ν/	A	LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#:
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Relinquished by/Company: (Signat	ure)	Date 5/	2/Time: 3/22	de	l		Date/Tim 5/3/3	e: D	10	00	Acctr Tem Preio	num: plate: ogin:			Trip Blank Received: Y N NA HCL MeOH TSP Other					
Relinquished by/Company: (Signat	iture) Date/Time: Received by/Company: (Signature)											Date/Tim	e:			PM: PB:				Non-Conformance(s): Page: YES / NO of: Page

Pace Analytical*	CH Submitting a s	HAIN-OF sample via this Conditions Chain-of-C	-CUSTOD schain of custody s found at: https:/ Custody is a LEG	Y Analy constitutes act //info.pacelabs GAL DOCUME	t ical Rec mowledgment .com/hubfs/pa	uest Do and acceptanc s-standard-ten te all relevan	cume ce of the F ms.pdf t fields	ent Pace Terms	and			LAB USE	ONL	Y- Affi	x Work	order M	/Login FJL Log-	Label Ho in Num	ere or L ber Her	Ist Pace Warkorder Number or e UDRUYPO	5
Company: Tetra Tech			Billing Inform	nation: 212	11 Durand	Avenue, U	nion G	rove,		1		AI	LL B	OLD	OUI	LIN	ED A	REAS	are f	or LAB USE ONLY	
Address: 8413 Excelsior Dr #160, M	adison, WI 537	'17	WI 53182									Conta	iner	Preser	vative	Type *	*		Lab P	Project Manager:	
Report To: Luke Specketer (luke.sp	ecketer@tetra	tech.com)	Email To: ssi	molko@wn	n.com					1 ** Pres	ervati	ve Types: (1) nitr	ric acid,	(2) sulfi	uric aci	d, (3) hy	drochlori	c acid, (4) sodium hydroxide, (5) zinc acetate,	
Copy To: Riley Eklund (riley.eklund)	@tetratech.con	n) .	Site Collectio Grove, WI 5	on Info/Add 3182	lress: 2121	L Durand A	venue,	Union		(6) me (C) am	thanol moniu	, (7) sodiur m hydroxia	n bisu de, (D)	lfate, (8 TSP, (L	8) sodiur 1) Unpre	n thios served	ulfate, (9 , (0) Oth	9) hexane Ier	e, (A) asc	orbic acid, (B) ammonium sulfate, 	
Customer Project Name/Number:			State: WI Co	ounty/City:	Union Grov	e Time Zor	ne Colle	cted: [Analy	ses		<u> </u>	<u> </u>	Lab P	Yrofile/Line: Sample Receipt Checklist:	
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Collected By (print): Riley Eklund	Purchase Orde	er # :			DW PWS II)#:			1										Corr	ect Bottles Y	N NA
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Collected By (signature): <i>Riley</i> Eklund	Turnaround D	ate Require	ed: Standard		Immediate [x] Yes	ly Packed o [] No	on Ice:		ss (G)	ſIJ									VOA USDA	- Headspace Acceptable Y Regulated Soils Y	N NA N NA
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RINSE # 1	ww	Grab	4/26/2022	6:00 PM				1		x									$ \odot$	178	
linse # 2	ww	Grab	4/27/2022	11:30 AM				1		X									1O	70	
{INSE # 3	ww	Grab	4/27/2022	6:00 PM				1	1	x									\bigcirc	<u> </u>	
RINSE # 4	ww	Grab	4/28/2022	10:00 AM				1		X									$\overline{\mathcal{O}}$	8	
RINSE # 5	ww	Grab	4/29/2022	1:15 PM				1	İ	×									TC.	82	
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			Packing Mat	terial Used:		Ũ	>				Lab	Tracking	#:							Temp Blank Received: Y M Therm ID#: Cooler 1 Temp Upon Receive	
			Radchem sa	mple(s) scr	eened (<50	0 cpm):	YN	NA			Sarr	ples rece	ived	via:			Daca	Couries		Cooler 1 Therm Corr. Factor Cooler 1 Corrected Temp	:₀C ₀C
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DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay

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Lab #	⊢⋖	<u></u>	◄	<u></u> ≤	⊢⋖	⊢⋖	▲	 				<u>_</u>		<u>></u>		<u>></u>	<u> ></u>	<u> ></u>	<u>`_></u>	1 3	<u> </u>	<u> </u>	ᠵᢩᢓ	S S			ž	Ξ	Ž	Ž	<u>Ŧ</u>	<u></u>	25/5/10
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Pace Analytical Services, LLC

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Pace Analytical Services, LLC

Qualtrax Document ID: 41307

DC#_Title: ENV-FRM-GBAY-0014 v02_SCUR Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Condition Upon Receipt Form (SCUR) Project #: Client Name: Courier: CS Logistics N Fed Ex Client Pace Other: Tracking #: Other: Trans Blank Present: Other: Tem pshulte above freczing to Cr. Biological Tissue is Frozen: yes [n no Samples may be received at \$0°C if shipped on Dry tee. Chain of Custody Preliquished: None Other: Present: Other: Present: Other: Present: Other: Present: Other: <	Revision: 3 Effective Date: Issued by: Green Bay	
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Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if shipped on Dry Ice. Chain of Custody Present: Yes Chain of Custody Present: Yes No N/A Chain of Custody Relinquished: Yes No N/A Sampler Name & Signature on COC: Yes No N/A Sampler Name & Signature on COC: Yes No N/A Samples Arrived within Hold Time: Yes No Date/Time: Short Hold Time Analysis (<72hr):	Temp Blank Present: Xyes I no Blologi	Date:) Job Initials: (1)
Chain of Custody Present: Yres No N/A 1. Chain of Custody Filled Out: Yres No N/A 2. Chain of Custody Relinquished: Yres No N/A 3. Sampler Name & Signature on COC: Yres No N/A 4. Samples Arrived within Hold Time: Yres No D/A 4. Samples Arrived within Hold Time: Yres No Date/Time: 5. - VOA Samples frozen upon receipt Yres No Date/Time: 6. Rush Turn Around Time Requested: Yres No 7. Sufficient Volume: 8. For Analysis: Yres No MS/MSD: Yres 9. -Pace Containers Used: Yres No 9. - -Pace IR Containers Used: Yres No 10. 11. Filtered volume received for Dissolved tests Yres No XivA 11.	Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.	Labeled By Initials:
Chain of Custody Filled Out: Yres No N/A 2. Chain of Custody Relinquished: Yres No N/A 3. Sampler Name & Signature on COC: Yres No N/A 4. Samples Arrived within Hold Time: Yres No 5. - VOA Samples frozen upon receipt Yres No Date/Time: Short Hold Time Analysis (<72hr):	Chain of Custody Present: Yes DNo D	□N/A 1.
Chain of Custody Relinquished: Yes No N/A 3. Sampler Name & Signature on COC: Yes No N/A 4. Samples Arrived within Hold Time: Yes No 5. - VOA Samples frozen upon receipt Yes No Date/Time: Short Hold Time Analysis (<72hr):	Chain of Custody Filled Out: XYes INo I	□N/A 2.
Sampler Name & Signature on COC: Yes No N/A 4. Samples Arrived within Hold Time: Yes No 5. - VOA Samples frozen upon receipt Yes No Date/Time: Short Hold Time Analysis (<72hr):	Chain of Custody Relinquished:	□N/A 3.
Samples Arrived within Hold Time: Yes No 5. - VOA Samples frozen upon receipt Yes No Date/Time: Short Hold Time Analysis (<72hr):	Sampler Name & Signature on COC:	□N/A 4.
- VOA Samples frozen upon receipt Image: No Date/Time: Short Hold Time Analysis (<72hr):	Samples Arrived within Hold Time: ¥Yes □No	5.
Short Hold Time Analysis (<72hr):	- VOA Samples frozen upon receipt UYes No	Date/Time:
Rush Turn Around Time Requested: Image: Pres Ano 7. Sufficient Volume: 8. For Analysis: Ms/MSD: Image: Pres Ano Correct Containers Used: Ms/MSD: Image: Pres Ano -Pace Containers Used: Ms/es Image: No -Pace IR Containers Used: Image: Pres Ano Image: Pres Ano Containers Intact: Image: Pres Ano Image: Pres Ano Filtered volume received for Dissolved tests Image: Pres Ano Image: Pres Ano Filtered volume received for Dissolved tests Image: Pres Ano Image: Pres Ano	Short Hold Time Analysis (<72hr):	6.
Sufficient Volume: 8. For Analysis: Ms/MsD: Yes No Correct Containers Used: Yes -Pace Containers Used: Yes -Pace IR Containers Used: Yes Ontainers Intact: Yes Filtered volume received for Dissolved tests Yes Filtered volume received for Dissolved tests Yes	Rush Turn Around Time Requested:	7.
For Analysis: Yes No MS/MSD: Yes No N/A Correct Containers Used: Yes No 9. -Pace Containers Used: Yes No N/A -Pace IR Containers Used: Yes No N/A Containers Intact: Yes No 10. Filtered volume received for Dissolved tests Yes No AN/A	Sufficient Volume:	8.
Correct Containers Used: Yes No 9. -Pace Containers Used: Yes No N/A -Pace IR Containers Used: Yes No YA/A Containers Intact: Yes No 10. Filtered volume received for Dissolved tests Yes No X/A	For Analysis: Yes DNo MS/MSD: DYes No D	
-Pace Containers Used: -Pace IR Containers Used: Containers Intact: Filtered volume received for Dissolved tests Pres No XNA 11. Substitution of the set of the	Correct Containers Used:	9.
-Pace IR Containers Used: Containers Intact: Filtered volume received for Dissolved tests Pres DNo AN/A 11. Subject to the second secon	-Pace Containers Used: XYes □No □	
Containers Intact: Yes Ino Filtered volume received for Dissolved tests IVes INo Avia 11.	-Pace IR Containers Used: Yes No Yes	
Filtered volume received for Dissolved tests DYes DNo ANA 11.	Containers Intact:	10.
$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$	Filtered volume received for Dissolved tests	N/A 11.
Sample Labels match COC:	Sample Labels match COC:	INA 12.028; "4:40PM" 513122-02
-Includes date/time/ID/Analysis Matrix:	-Includes date/time/ID/Analysis Matrix: 5, 6	
Trip Blank Present:	Trip Blank Present:	N/A 13.
Trip Blank Custody Seals Present	Trip Blank Custody Seals Present	Ęn/a
Pace Trip Blank Lot # (if purchased):	Pace Trip Blank Lot # (if purchased):	
Client Notification/ Resolution: If checked, see attached form for additional comments	Client Notification/ Resolution:	If checked, see attached form for additional comments
Comments/ Resolution:	Comments/ Resolution:	

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page 5 of 5

Qualtrax Document ID: 41292

Pace Analytical Services, LLC

SIWP SAMPLING ANALYTICAL RESULTS



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

June 07, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221563 WM MERCURY WASTE Pace Project No.: 40245578

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milery

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245578

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 4024

No.:	40245578	

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245578001	S1	Solid	05/24/22 11:00	05/26/22 10:15
40245578002	S2	Solid	05/24/22 11:30	05/26/22 10:15
40245578003	S3	Solid	05/24/22 11:50	05/26/22 10:15
40245578004	S4	Solid	05/24/22 12:45	05/26/22 10:15
40245578005	S5	Solid	05/24/22 13:10	05/26/22 10:15
40245578006	S6	Solid	05/24/22 13:30	05/26/22 10:15



SAMPLE ANALYTE COUNT

Project:209-4221563 WM MERCURY WASTEPace Project No.:40245578

Method	Analysts	Reported
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
EPA 7471	AJT	1
ASTM D2974-87	K1S	1
	EPA 7471 ASTM D2974-87 EPA 7471 ASTM D2974-87 EPA 7471 ASTM D2974-87 EPA 7471 ASTM D2974-87 EPA 7471 ASTM D2974-87 EPA 7471 ASTM D2974-87	EPA 7471 AJT ASTM D2974-87 K1S EPA 7471 AJT

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245578

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40245578001	S1					
EPA 7471	Mercury	3.0	mg/kg	0.081	06/07/22 13:42	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	05/27/22 09:19	
40245578002	S2					
EPA 7471	Mercury	1.1	mg/kg	0.046	06/07/22 13:19	
ASTM D2974-87	Percent Moisture	25.8	%	0.10	05/27/22 09:19	
40245578003	S3					
EPA 7471	Mercury	0.66	mg/kg	0.041	06/07/22 13:21	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	05/27/22 09:19	
40245578004	S4					
EPA 7471	Mercury	753	mg/kg	39.6	06/07/22 13:44	
ASTM D2974-87	Percent Moisture	21.6	%	0.10	05/27/22 09:19	
40245578005	S5					
EPA 7471	Mercury	185	mg/kg	22.2	06/07/22 13:47	
ASTM D2974-87	Percent Moisture	21.3	%	0.10	05/27/22 09:19	
40245578006	S6					
EPA 7471	Mercury	1.9	mg/kg	0.039	06/07/22 13:39	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	05/27/22 09:19	



Project: 209-4221563 WM MERCURY WASTE

40245578

Pace Project No.:

Sample: S1	Lab ID:	4024557800	1 Collected	1: 05/24/22	2 11:00	Received: 05/	/26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry w	eight" basis and are	adjusted fo	r percent mo	oisture, sai	nple s	ize and any dilut	ions.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Method: EPA /tical Service	. 7471 Prepar es - Green Bay	ation Meth	od: EP	A 7471			
Mercury	3.0	mg/kg	0.081	0.023	2	06/06/22 12:40	06/07/22 13:42	7439-97-6	
Percent Moisture	Analytical I Pace Analy	Method: AST /tical Service	M D2974-87 s - Green Bay	/					
Percent Moisture	17.0	%	0.10	0.10	1		05/27/22 09:19		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245578

Sample: S2	Lab ID: 4	40245578002	Collected:	05/24/22	11:30	Received: 05/2	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry weight"	basis and are	adjusted for p	percent moi	sture, san	nple siz	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical M Pace Analy	Method: EPA 7	471 Prepara	ition Metho	d: EPA	7471			
Mercury	1.1	mg/kg	0.046	0.013	1	06/06/22 12:40	06/07/22 13:19	7439-97-6	
Percent Moisture	Analytical N	Method: ASTM	D2974-87						
	Pace Analy	tical Services	- Green Bay						
Percent Moisture	25.8	%	0.10	0.10	1		05/27/22 09:19		



Project: 209-4221563 WM MERCURY WASTE

40245578

Pace Project No.:

Sample: S3 Lab ID: 40245578003 Collected: 05/24/22 11:50 Received: 05/26/22 10:15 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD DF Prepared Analyzed CAS No. Qual 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay 06/06/22 12:40 06/07/22 13:21 7439-97-6 Mercury 0.66 mg/kg 0.041 0.012 1 Analytical Method: ASTM D2974-87 **Percent Moisture** Pace Analytical Services - Green Bay Percent Moisture

15.6 % 0.10 0.10 1 05/27/22 09:19



Project: 209-4221563 WM MERCURY WASTE

21.6

%

40245578

Pace Project No.:

Percent Moisture

Sample: S4 Lab ID: 40245578004 Collected: 05/24/22 12:45 Received: 05/26/22 10:15 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD DF Prepared Analyzed CAS No. Qual 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay 11.3 1000 06/06/22 12:40 06/07/22 13:44 7439-97-6 Mercury 753 mg/kg 39.6 Analytical Method: ASTM D2974-87 **Percent Moisture** Pace Analytical Services - Green Bay

0.10

0.10

1

05/27/22 09:19



Project: 209-4221563 WM MERCURY WASTE

40245578

Pace Project No.:

Sample: S5 Lab ID: 40245578005 Collected: 05/24/22 13:10 Received: 05/26/22 10:15 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD DF Prepared Analyzed CAS No. Qual 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay 500 06/06/22 12:40 06/07/22 13:47 7439-97-6 Mercury 185 mg/kg 22.2 6.4 Analytical Method: ASTM D2974-87 **Percent Moisture** Pace Analytical Services - Green Bay Percent Moisture 21.3 % 0.10 0.10 1 05/27/22 09:19



Project: 209-4221563 WM MERCURY WASTE

40245578

Pace Project No.:

Sample: S6	Lab ID:	4024557800	6 Collected	I: 05/24/22	2 13:30	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry we	eight" basis and are	adjusted fo	r percent mo	isture, saı	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Method: EPA /tical Service:	7471 Prepar s - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	1.9	mg/kg	0.039	0.011	1	06/06/22 12:40	06/07/22 13:39	7439-97-6	
Percent Moisture	Analytical I Pace Analy	Method: ASTI /tical Service:	M D2974-87 s - Green Bay	,					
Percent Moisture	15.8	%	0.10	0.10	1		05/27/22 09:19		



QUALITY CONTROL DATA

Project:	209-4221563 WM I	MERCURY WAS	TE									
Pace Project No.:	40245578											
QC Batch:	417512		Anal	ysis Metho	d:	EPA 7471						
QC Batch Method:	EPA 7471		Analy	ysis Descri	ption:	7471 Mercu	ry					
			Labo	oratory:		Pace Analyt	ical Service	es - Green	Bay			
Associated Lab San	nples: 402455780	001, 4024557800	2, 4024557	78003, 402	45578004,	402455780	05, 402455	78006				
METHOD BLANK:	2404330			Matrix: So	olid							
Associated Lab San	nples: 402455780	01, 4024557800	2, 4024557	78003, 402	45578004,	402455780	05, 402455	78006				
			Blai	nk	Reporting							
Paran	neter	Units	Res	ult	Limit	Anal	/zed	Qualifier	S			
Mercury		mg/kg		<0.010	0.03	35 06/07/2	2 12:30					
LABORATORY COM	NTROL SAMPLE:	2404331										
			Spike	LC	s	LCS	% R	ec				
Paran	neter	Units	Conc.	Res	sult	% Rec	Limi	ts	Qualifiers			
Mercury		mg/kg	0.8	33	0.81	98	8 8	35-115		_		
MATRIX SPIKE & N	IATRIX SPIKE DUPI	_ICATE: 2404	332		240433	3						
		40245001012	MS	MSD Spike	MS	MOD	MC	MOD	% Boo		Mox	
Parameter	· Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	mg/kg	0.065	0.93	0.92	0.97	0.99	98	101	85-115	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: Pace Project No.:	209-4221563 WM N 40245578	IERCURY WAST	E					
QC Batch:	416892		Analysis Meth	od:	ASTM D2974-8	37		
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Per	cent Moist	ure	
			Laboratory:		Pace Analytical	Services -	- Green B	ay
Associated Lab Sar	mples: 4024557800	01, 40245578002	, 40245578003, 40	245578004,	40245578005,	40245578	006	
SAMPLE DUPLICA	TE: 2400643							
			40245496001	Dup		Ν	lax	
Parar	meter	Units	Result	Result	RPD	R	PD	Qualifiers
Percent Moisture		%	5.2	5	.2	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245578

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245578

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch 417539		
40245578001	S1	EPA 7471	417512	 EPA 7471			
40245578002	S2	EPA 7471	417512	EPA 7471	417539		
40245578003	S3	EPA 7471	417512	EPA 7471	417539		
40245578004	S4	EPA 7471	417512	EPA 7471	417539		
40245578005	S5	EPA 7471	417512	EPA 7471	417539		
40245578006	S6	EPA 7471	417512	EPA 7471	417539		
40245578001	S1	ASTM D2974-87	416892				
40245578002	S2	ASTM D2974-87	416892				
40245578003	S3	ASTM D2974-87	416892				
40245578004	S4	ASTM D2974-87	416892				
40245578005	S5	ASTM D2974-87	416892				
40245578006	S6	ASTM D2974-87	416892				

																				UQU5:	57
Pace Analytical*	CHAIN-OF-CUSTODY Analytical Request Document Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf Chain of Custody is a JEGAL DOCUMENT. Complete all solutions found at:									LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here											
Company: Tetra Tech		Cridin-01-C	Billing Inform	nation: 21	211 Durand	Avenue. U	nion G	rove,				· •		י יי ור	ידווח	INED		:Vc -	are f.		
Address: 8413 Excelsior Dr #160. M	adison, WI 537	17	WI 53182			, -		,				A				.IIVEL					
										+			tainer P	reserv	ative Ty	pe **	<u> </u>	1	Lab Pi	roject Manager:	
Report To: Luke Specketer (luke.specketer@tetratech.com)			Email To: ssmolko@wm.com							++ Pres	l ;ervati	ve Types:	(1) nitric	: acid, ()	2) sulfuri	c acid, (3	3) hydro	chloric a	acid, (4)	sodium hydroxide, (5) zinc acetate,	
Copy To: Riley Eklund (riley.eklund@tetratech.com)			Site Collection Info/Address: 21211 Durand Avenue, Union Grove, WI 53182							(6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other											
Customer Project Name/Number:			State: WI County/City: Union Grove Time Zone Collected: [Lab Pi	Sample Receipt Checklist	
.09-4221563	In. 17]PT []MT	[x]CT [JET					4 1				2					Custo	ody Seals Present/Intact Y N	NA
mail: wke.specketer@tetratech.com	Site/Facility ID	#: WM M	ercury Waste	, INC.	Compliance Monitoring? [x] Yes [] No														Cust Coll Bott	tody Signatures Present Y N NA lector Signature Present Y N NA tles Intact Y N NA	INA INA INA
Collected By (print): Riley Eklund	Purchase Orde	er # : 95794	\$7		DW PWS II	D #:	<u> </u>		1							1			Corre	ect Bottles Y N icient Volume	I NA
	Quote #:			P	DW Locati	on Code:			1										Samp)	les Received on Ice Y N	I NA
Collected By (signature): <i>Riley</i>	Turnaround D	ate Require	ed: Standard		Immediately Packed on Ice: [x] Yes [] No				355 (G)	cury							8 - A		VOA USDA Samo	- Headspace Acceptable Y N Regulated Soils Y N les in Holding Time Y N	INA INA NA
Sample Disposal:	Rush: (Expedi	te Charges	Apply)		Field Filter	ed (if appli	cable):		19,1	Men								1	Resid	dual Chlorine Present Y N	I NA
] Return	[]2 Dav [∝ay []Ni `]3 Dav	ENL DAY		IL J res	[x]NO			0 0	tal								1	C1 St Samp	trips: le pH Acceptable Y N	NA
] Archive:	[]4 Day [] 5 Day			Analysis: _				tic (F	₽			- ·						pH St	trips:	1. 577
Matrix Codes (Insert in Matrix Law		י		Water (C)		ater (MAAA)			Plast	W						1			sulf: Lead	Acetate Strips:	NA .
Product (P), Soil/Solid (SL), Oil (OL	.), Wipe (WP), A	ir (AR), Tis	sue (TS), Bioa	ssay (B), V	vy, wastew 'apor (V), Ot	her (WW)	, 1 c	T	Type: I	P) 120									LAB U	USE ONLY:	
Customer Sample ID	Matrix *	Grab	Collecte Composit Date	ed (or e Start) Time	Compo Date	site End	CI	f # of Ctns	ontainer	lastic (-126		
		Grah	5/24/2022	11.00	+			+	<u> Ŭ</u>		<u> </u>	┼──┼		-	_ _			+	Fr.	HILGIZZ MP	·
		Grad	5/24/2022	11:00	+	<u> </u>		+	+	*	──	++						+	R	<u>2001</u>	
2	1 <u>2</u>		5/24/2022	11.50		<u> </u>				+ <u>*</u>		+						+	1 V C	12	
<u>.</u>		Grab	5/24/2022	12:20		 	+	+	+	+*		+						+	18		
·			5/24/2022	12:45	+	<u> </u>				×		+							1×		
			5/24/2022	13:10	+	 		+ 1		+ <u>×</u>	<u> </u>	+							10		
00		Grab	5/24/2022	13:30		<u> </u>		- <u>1</u>		X	<u> </u>								101		
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Customer Remarks / Special Condit	tions / Possible	L Hazards	Tung of Ice 1	lood	14/200	Rhua		Nerr			 		DE DOCT		-72 -	-	v	م مرکز پار	JA-K	VAB Sample Temperature Info	
			Packing Mat	erial Used	vvet		··· Y	NURE			Lab	Tracking	g #:	JCINI (-12 NOL	115): ちょう	14		λP	Tomp Blank Received N The TID#:	Ren 2
			Radchem sa	mple(s) sc	reened (<50	0 cpm):	Y N	I NA			San	nples rec	ceived v	ia:		trice		, ,		Cooler 1 Temp Upon Receipt: Cooler 1 Therm Corr. Factor: Cooler 1 Corrected Temp:	: <u></u> oc
Polinguished hulles	ural		Time		Reech 11						F		UPS	LIIE	an Co		race Ct	ourier	\geq	Comments:	-
New York (Signat	ure)	Date	25/2022	izsan	Received b	y/company	y: (Signa	ature)				Date/T	e:		Т	MTJL able #:	L LAB U!		LY		
Relinquished by/Company: (Signat	ure)	Date	e/Time:	10:15	Received b	y/Company	y: (Signi Adl	ature)	2		_	Date/T	ime:		A T	emplate	n: e:	e d		Trip Blank Received: Y N HCL MeOH TSP Other	
Relinquished by/Company: (Signat	ure)	Date	1/2/2/2 2/Time:	L	Received b	/O/d	/: (Signa	ature)	4 9 1	re	<u>&</u>	<u>っ/:</u> Date/Ti	<u>26/</u> ime:	122	Р Р	relogin M:	1:			Non Conformance(s): Page:	\rightarrow
											:				P	в:				YES / NO of:	Pa

DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay

Date/								
All containers needing preservation have been checked and noted below: Tres Trop Lab Std #D of preservation (if pH adjusted):								
adjusted	Volume							
H after a	(inc)							
	2.5/5/10							
Waip -	2.5/5/10							
	2.5/5/10							
	2.5/5/10							
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Qualtrax Document ID: 41307

Pace Analytical Services, LLC

DC#_Title: ENV-FRM-GBAY-0014 v02_SCUR Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Co	ondition Up	on Receipt Form (SCL	JR)
The The		Project #:	
Client Name: <u>letralech</u>	<u></u>	MC)#:40245578
Courier: CS Logistics Eed Ex Speedee		Waltco	
Client Pace Other:			
Tracking #: 2735 34249	043	4024	
Custody Seal on Cooler/Box Present: yes	Ko Seals intac	t: ∏ yes ∏ no ⊥	
Custody Seal on Samples Present: Tyes Kno	o Seals intac	t: 🔽 yes 🔽 no	
Packing Material: TBubble Wrap TBubble	Bags 🗶 Nor	ne Other	
Thermometer Used <u>SR - 111</u> T	ype of Ice: (We	Blue Dry None X Sa	mples on ice, cooling process has begun
Cooler Lemperature Uncorr: //Corr:			Person examining contents:
Temp Blank Present: yes no	Biological	Tissue is Frozen: ☐ yes	no Date: 5/26/2 Printials:
Biota Samples may be received at < 0°C if shipped on Dry Ic	ce	·	Labeled By Initials:
Chain of Custody Present:	Kes []No []N/4	1.	
Chain of Custody Filled Out: 51201267		2. 19#-512612	Lup
Chain of Custody Relinquished:	Xyes ⊡No ⊡N/#	3.	
Sampler Name & Signature on COC:		4.	
Samples Arrived within Hold Time:	Xyes □No	5.	
- VOA Samples frozen upon receipt	∃Yes □No	Date/Time:	
Short Hold Time Analysis (<72hr):	Yes XNo	6.	
Rush Turn Around Time Requested:	TYes XNo	7	
Sufficient Volume:		8	
For Analysis: 🖄 🖉 🗆 No MS/MSD 🗆			
Correct Containers Used:		0	
-Pace Containers Llead		5.	
Page IB Containers Used:			
		· · · · · · · · · · · · · · · · · · ·	
Filtered volume reasilied for Direct and a		10.	
Semale Lehale and Leha	JYes ∐No ⊅SN/A	11	
	Xes LINo ⊡N/A	12.	
-Includes date/time/ID/Analysis Matrix:			
Trip Blank Present:]Yes □No XN/A	13.	
Irip Blank Custody Seals Present	IYes INO XINA		
Pace Trip Blank Lot # (if purchased):			
Person Contacted:	Date	If checked, se	e attached form for additional comments
Comments/ Resolution:			·

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Qualtrax Document ID: 41292

Pace Analytical Services, LLC

Page


Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

June 07, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221563 WM MERCURY WASTE Pace Project No.: 40245577

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milery

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245577

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 402

lo.:	40245577	

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245577001	S1A	Solid	05/24/22 11:15	05/26/22 10:15
40245577002	S2A	Solid	05/24/22 11:40	05/26/22 10:15
40245577003	S3A	Solid	05/24/22 12:00	05/26/22 10:15
40245577004	S4A	Solid	05/24/22 13:00	05/26/22 10:15
40245577005	S5A	Solid	05/24/22 13:20	05/26/22 10:15
40245577006	S6A	Solid	05/24/22 13:45	05/26/22 10:15



SAMPLE ANALYTE COUNT

 Project:
 209-4221563 WM MERCURY WASTE

 Pace Project No.:
 40245577

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40245577001	S1A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1
40245577002	S2A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1
40245577003	S3A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1
40245577004	S4A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1
40245577005	S5A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1
40245577006	S6A	EPA 7471	AJT	1
		ASTM D2974-87	K1S	1

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245577

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40245577001	S1A					
EPA 7471	Mercury	0.53	mg/kg	0.039	06/07/22 13:00	
ASTM D2974-87	Percent Moisture	19.0	%	0.10	05/27/22 09:18	
40245577002	S2A					
EPA 7471	Mercury	0.16	mg/kg	0.046	06/07/22 13:02	
ASTM D2974-87	Percent Moisture	25.3	%	0.10	05/27/22 09:18	
40245577003	S3A					
EPA 7471	Mercury	0.49	mg/kg	0.039	06/07/22 13:05	
ASTM D2974-87	Percent Moisture	17.4	%	0.10	05/27/22 09:19	
40245577004	S4A					
EPA 7471	Mercury	0.051	mg/kg	0.044	06/07/22 13:12	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	05/27/22 09:19	
40245577005	S5A					
EPA 7471	Mercury	0.89	mg/kg	0.040	06/07/22 13:14	
ASTM D2974-87	Percent Moisture	15.4	%	0.10	05/27/22 09:19	
40245577006	S6A					
EPA 7471	Mercury	0.036J	mg/kg	0.040	06/07/22 13:16	
ASTM D2974-87	Percent Moisture	14.5	%	0.10	05/27/22 09:19	



Project: 209-4221563 WM MERCURY WASTE

40245577

Pace Project No.:

Sample: S1A	Lab ID:	4024557700	1 Collected	l: 05/24/22	2 11:15	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry weig	ght" basis and are	adjusted fo	r percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Method: EPA /tical Service	7471 Prepar s - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	0.53	mg/kg	0.039	0.011	1	06/06/22 12:40	06/07/22 13:00	7439-97-6	
Percent Moisture	Analytical I Pace Analy	Method: AST /tical Service	M D2974-87 s - Green Bay	,					
Percent Moisture	19.0	%	0.10	0.10	1		05/27/22 09:18		



Project: 209-4221563 WM MERCURY WASTE

40245577

Pace Project No.:

Sample: S2A	Lab ID: 4	40245577002	Collected	l: 05/24/22	2 11:40	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry v	veight" basis and are	adjusted for	percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical M	/lethod: EPA 7	471 Prepar	ation Meth	od: EP/	A 7471			
	Pace Analy	tical Services	- Green Bay	/					
Mercury	0.16	mg/kg	0.046	0.013	1	06/06/22 12:40	06/07/22 13:02	7439-97-6	
Percent Moisture	Analytical M	lethod: ASTM	I D2974-87						
	Pace Analy	tical Services	- Green Bay	/					
Percent Moisture	25.3	%	0.10	0.10	1		05/27/22 09:18		



Project: 209-4221563 WM MERCURY WASTE

40245577

Pace Project No.:

Sample: S3A	Lab ID:	40245577003	Collected	d: 05/24/22	2 12:00	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry weig	ht" basis and are	adjusted for	percent mo	oisture, sai	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Analy	Method: EPA 7 ytical Services	'471 Prepar - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	0.49	mg/kg	0.039	0.011	1	06/06/22 12:40	06/07/22 13:05	7439-97-6	
Percent Moisture	Analytical Pace Analy	Method: ASTM ytical Services	l D2974-87 - Green Bay	/					
Percent Moisture	17.4	%	0.10	0.10	1		05/27/22 09:19		



Project: 209-4221563 WM MERCURY WASTE

40245577

Pace Project No.:

Sample: S4A	Lab ID:	40245577004	Collected	d: 05/24/22	13:00	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry weight	" basis and are	adjusted for	percent mo	oisture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7	471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.051	mg/kg	0.044	0.012	1	06/06/22 12:40	06/07/22 13:12	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM	D2974-87 - Green Bay	/					
Percent Moisture	20.7	%	0.10	0.10	1		05/27/22 09:19		



Project: 209-4221563 WM MERCURY WASTE

40245577

Pace Project No.:

Sample: S5A	Lab ID: 4	40245577005	Collected	: 05/24/22	2 13:20	Received: 05/	26/22 10:15 Ma	atrix: Solid	
Results reported on a "dry weig	ght" basis and are	adjusted for	percent mo	isture, saı	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical M Pace Analy	/lethod: EPA 7 tical Services	7471 Prepar - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	0.89	mg/kg	0.040	0.011	1	06/06/22 12:40	06/07/22 13:14	7439-97-6	
Percent Moisture	Analytical M Pace Analy	/lethod: ASTM tical Services	1 D2974-87 - Green Bay	,					
Percent Moisture	15.4	%	0.10	0.10	1		05/27/22 09:19		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245577

Sample: S6A	Lab ID: 4	10245577006	Collected:	05/24/22	13:45	Received: 05/2	26/22 10:15 Ma	trix: Solid	
Results reported on a "dry weight" b	asis and are	adjusted for p	percent moi	sture, san	nple siz	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical N Pace Analy	/lethod: EPA 74 tical Services -	471 Prepara - Green Bay	tion Metho	od: EPA	7471			
Mercury	0.036J	mg/kg	0.040	0.011	1	06/06/22 12:40	06/07/22 13:16	7439-97-6	
Percent Moisture	Analytical N Pace Analy	/lethod: ASTM tical Services -	D2974-87 - Green Bay						
Percent Moisture	14.5	%	0.10	0.10	1		05/27/22 09:19		



QUALITY CONTROL DATA

Project: 209-422	1563 WM MERCU	JRY WASTE										
Pace Project No.: 4024557	77											
QC Batch: 417512	2		Analys	is Method	1:	EPA 7471						
QC Batch Method: EPA 74	171		Analys	is Descrip	otion:	7471 Mercu	ry					
			Labora	atory:		Pace Analyti	cal Service	es - Green	Bay			
Associated Lab Samples:	40245577001, 402	245577002, 4	40245577	003, 4024	15577004,	4024557700	05, 402455	77006				
METHOD BLANK: 2404330)		Ν	Aatrix: So	lid							
Associated Lab Samples:	40245577001, 402	245577002, 4	40245577	003, 4024	15577004,	4024557700	05, 402455	77006				
			Blank	: F	Reporting							
Parameter	L	Jnits	Resul	t	Limit	Analy	zed	Qualifier	S			
Mercury	r	ng/kg	<(0.010	0.03	5 06/07/22	2 12:30					
LABORATORY CONTROL SA	AMPLE: 240433	31										
			Spike	LC	S	LCS	% Re	ec				
Parameter	L	Jnits	Conc.	Res	ult	% Rec	Limit	s (Qualifiers	_		
Mercury	m	ng/kg	0.83		0.81	98	8 8	5-115				
MATRIX SPIKE & MATRIX S	PIKE DUPLICATE	: 2404332	2		2404333	3						
	40045	004040	MS	MSD	MO	MOD	MC	MOD	0/ Dee		Max	
Parameter	40245 Units R	esult C	ріке onc.	Spike Conc.	Result	Result	MS % Rec	% Rec	% Rec Limits	RPD	RPD	Qual
Mercury	mg/kg	0.065	0.93	0.92	0.97	0.99	98	101	85-115	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: Pace Project No.:	209-4221563 WM N 40245577	IERCURY WAST	Ē					
QC Batch:	416892		Analysis Meth	od:	ASTM D2974-87			
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Perce	ent Moisture		
			Laboratory:	Laboratory: Pace Analytical Services - Green Bay				
Associated Lab Sar	nples: 402455770	01, 40245577002	2, 40245577003, 40	245577004,	40245577005, 4	0245577006		
SAMPLE DUPLICA	TE: 2400643							
			40245496001	Dup		Max		
Parar	neter	Units	Result	Result	RPD	RPD	Qualifiers	
Percent Moisture		%	5.2	5	.2	1	10	_

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245577

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245577

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40245577001		EPA 7471	417512	 EPA 7471	417539
40245577002	S2A	EPA 7471	417512	EPA 7471	417539
40245577003	S3A	EPA 7471	417512	EPA 7471	417539
40245577004	S4A	EPA 7471	417512	EPA 7471	417539
40245577005	S5A	EPA 7471	417512	EPA 7471	417539
40245577006	S6A	EPA 7471	417512	EPA 7471	417539
40245577001	S1A	ASTM D2974-87	416892		
40245577002	S2A	ASTM D2974-87	416892		
40245577003	S3A	ASTM D2974-87	416892		
40245577004	S4A	ASTM D2974-87	416892		
40245577005	S5A	ASTM D2974-87	416892		
40245577006	S6A	ASTM D2974-87	416892		

CHAIN-OF-CUSTODY Analytical Request Document Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields												LAB US	EONLI	r- Affi	k Worl	korder M	/Login TJL Log	Label -in Nu	I Here or List Pace Workorder Number or umber Here
Company: Tetra Tech			Billing Inform	nation: 212	211 Durand	Avenue, U	nion G	rove,		ALL BOLD OUTLINED AREAS are for LAB USE ONLY								AS are for LAB USE ONLY	
Address: 8413 Excelsior Dr #160, M	ladison, WI 537	17	WI 53182									Cont	ainer P	reserv	/ative	Type *	*		Lab Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrat	ech.com)	Email To: s sn	nolko@wr	n.com					U ** Pres	servativ	e Types:	(1) nitri	c acid,	(2) sulf	uric aci	d, (3) hy	drochle	loric acid, (4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collectic Grove, WI 53	on Info/Ad 3182	dress: 2121	1 Durand A	wenue,	, Union		(6) me (C) am	thanol, moniun	(7) sodiu hydrox	im bisul ide, (D)	TSP, (U	sodiu Unpre	eserved	sulfate, i I, (O) Oti	(9) hexa her	xane, (A) ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number: 209-4221563			State: WI Co]PT []MT	unty/City: [x]CT [Union Grov]ET	r e Time Zor	ne Colle	cted: [<u> </u>	Analys		T			Lab Sample Receipt Checklist
Phone: 608-346-1677 Email: luke.specketer@tetratech.com	Site/Facility ID	#: WM M	ercury Waste	Iry Waste, INC. Compliance Monitoring? [x] Yes [] No												Custody Signatures Present Y NA Collector Signature Present Y NA Bottle Intact Y N NA			
Collected By (print): Riley Eklund	Purchase Orde Quote #:	er # : 95794	47		DW PWS II DW Locatio) #: on Code:			1										Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA
Collected By (signature): <i>Riley</i> Ekland	Turnaround Da	ate Requir	ed: Standard	: Standard Immediately Packed on Ice: [x] Yes [] No				(D) 22E	cury									VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA	
ample Disposal: x] Dispose as appropriate] Return] Archive:	Rush: (Expedit []Same D []2 Day [[]4 Day [te Charges ay [] N] 3 Day] 5 Dav	s Apply) ext Day		Field Filtered (if applicable): [] Yes [x] No Analysis:				ic (P) or Gl	Total Men									Residual Chlorine Present Y N NA Cl Strips: Sample pH Acceptable Y N NA
Hold: Matrix Codes (Insert in Matrix bo: Product (P), Soil/Solid (SL) Oil (OI	L	ng Water (r (AR) Tie	DW), Ground	Water (GW), Wastewater (WW),					pe: Plast	120 ML									Sulfide Present Y N NA Lead Acetate Strips:
Customer Sample ID	Matrix *	Comp / Grab	Collecte Composit Date	ed (or e Start) Time	Compo Date	site End	Res Cl	# of Ctns	Container Ty	Plastic (P)									LAD USL UNLI: Lab Sample # / Comments:
51A	SL	Grab	5/24/2022	11:15			\vdash	1	⊢	x			$\neg \uparrow$	-+			-+	-+	-00/
2A	SL	Grab	5/24/2022	11:40			1	1	1	x					-+		+		002
3A	SL	Grab	5/24/2022	12:00		<u> </u>	1	1		x			-+		$\neg \uparrow$				002
4A	5L	Grab	5/24/2022	13:00				1		x					T		\uparrow		004-
5A	SL	Grab	5/24/2022	13:20				1	1	x			-+		\neg			$\neg \uparrow$	005
i6A	SL	Grab	5/24/2022	13:45				1		x									006
							<u> </u>	+	+				-		-	-	-	-	
																_	\pm		
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		Radchem sample(s) screened (<500 cpm): Y N NA								Sam FE	ples rec DEX	ceived v	via: Clie	ent (Courie	r Pace	:Couri	Cooler 1 Norm Corr. Factor:od Cooler 1 Corrected Temp:od terComments:	
Relinquished by/Company: (Signat	ure)	Date S/	e/Time: 75/322 9:25/1 Received by/Company: (Signature) Received by/Company: (Signature)						Date/Time: MTJL LAB USE ONLY Table #:										
Relinquished by/Company: (Signature) Fedex 5/26/22			y; (Signa T]p	bee	,	Date/T	^{، ۱me:} 24/	0:1 ZZ	5	TAcctr Temp Prelo	num: plate: gin:		Trip Blank Received: YNN NA HCL MeOH TSP Other				
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DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay

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			[Gl	ass]			Lab	Lot# c	of pH (paper:			Vi	La als	b Std	#ID of	prese [rvatio Ji	n (if pl ars	H adju	usted): Ge	nera	1	: (>6mm) *	1 ≤2	Act oH ≥9	ileted:	₹2	Time:	Volume
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	169U	WGFU	WPFU	SP5T	ZPLC	N	VOA Vials	H2SO4 pH	NaOH+Zn	NaOH oH	Hd EONH	pH after ac	(mL)
001																							1										2.5/5/10
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AG1U	1 lit	er an	iber g	lass				BP	21U	1 lite	er plas	stic u	npres			VC	39A	40 n	nL cle	ar as	corbi	0		JC	FU	4 oz	amb	er jar	unpre	es			
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AG4U	120	mLa	ambei	glas	is unp	res		BF	235	250	mL pl	lastic	H2S	04			59M	40 n	nL cle	ar via	al Me	- ЭН		s	25T	120	mL p	lastic	Na T	hiosu	fate		
AG5U	100	mL a	ambei	glas	is unp	res						_				V	39D	40 n	nL cle	ar via	al DI			Z	LC	zipl	oc ba	g					
AG2S	500	mL a	ambei	r glas	s H2S	504																			GN								」つ
BG3U	250	mL o	clear	glass	unpre	es		J																								Page	1_of

Qualtrax Document ID: 41307

Pace Analytical Services, LLC

DC#_Title: ENV-FRM-GBAY-0014 v02_SCUR Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Condition Upon Receipt Form (SCUR)

	Project #:
Client Name: <u>Tetra Tech</u>	WO#:40245577
Courier: CS Logistics	
Client Pace Other:	
Tracking #: 2735 3424 9043	40245577
Custody Seal on Cooler/Box Present: ves no Seal	als intact: 🔲 yes 🔲 no
Custody Seal on Samples Present: yes no Seal	als intact: 🔲 yes 🔲 no
Packing Material: 🔲 Bubble Wrap 🔲 Bubble Bags	None Cother
Thermometer Used <u>SR - 111</u> Type of Ice	e: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: /Corr: 0	
Temp Blank Present: 🔲 yes 🕅 no Biol	blogical Tissue is Frozen: yes no Date: 5/40/6/feitials:
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.	Labeled By Initials:
Chain of Custody Present:	
Chain of Custody Filled Out: 5/26/25	2 □N/A 2. P9# 5/26122mp
Chain of Custody Relinquished:	lo □N/A 3.
Sampler Name & Signature on COC:	lo □n/a 4.
Samples Arrived within Hold Time:	lo 5.
- VOA Samples frozen upon receipt	lo Date/Time:
Short Hold Time Analysis (<72hr):	lo 6.
Rush Turn Around Time Requested: 🛛 Yes 太	Q 7.
Sufficient Volume:	8.
For Analysis: 🗙 💷 🗛 MS/MSD: 🗠 Yes	
Correct Containers Used:	9.
-Pace Containers Used:	lo □n/A
-Pace IR Containers Used:	
Containers Intact:	lo 10.
Filtered volume received for Dissolved tests	□ XVA 11.
Sample Labels match COC:	lo □N/A 12.
-Includes date/time/ID/Analysis Matrix:	
Trip Blank Present:	₀ X(N/A 13.
Trip Blank Custody Seals Present	
Pace Trip Blank Lot # (if purchased):	
Client Notification/ Resolution: Person Contacted:	If checked, see attached form for additional comments
	· · · · · · · · · · · · · · · · · · ·

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page

Qualtrax Document ID: 41292

Pace Analytical Services, LLC



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

June 06, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221563 WM MERCURY WASTE Pace Project No.: 40245579

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milery

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245579001	POND SURFACE	Water	05/24/22 09:00	05/26/22 10:15
40245579002	POND DISCHARGE	Water	05/24/22 09:10	05/26/22 10:15
40245579003	PW1	Water	05/24/22 10:30	05/26/22 10:15
40245579004	PW2	Water	05/24/22 10:00	05/26/22 10:15
40245579005	RINSE #1	Water	05/24/22 12:15	05/26/22 10:15
40245579006	RINSE #2	Water	05/24/22 14:00	05/26/22 10:15



SAMPLE ANALYTE COUNT

Project:209-4221563 WM MERCURY WASTEPace Project No.:40245579

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40245579001	POND SURFACE	EPA 7470	AJT	1
40245579002	POND DISCHARGE	EPA 7470	AJT	1
40245579003	PW1	EPA 7470	AJT	1
40245579004	PW2	EPA 7470	AJT	1
40245579005	RINSE #1	EPA 7470	AJT	1
40245579006	RINSE #2	EPA 7470	AJT	1

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40245579001	POND SURFACE					
EPA 7470	Mercury	0.90	ug/L	0.20	06/06/22 10:56	
40245579002	POND DISCHARGE					
EPA 7470	Mercury	0.42	ug/L	0.20	06/06/22 11:08	



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Sample: POND SURFACE	Lab ID:	40245579001	Collecte	d: 05/24/22	2 09:00	Received: 05/	26/22 10:15 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470						7470			
	Pace Anal	ytical Services	- Green Ba	iy					
Mercury	0.90	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 10:56	7439-97-6	



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Sample: POND DISCHARGE	Lab ID:	40245579002	Collecte	d: 05/24/22	2 09:10	Received: 05/	26/22 10:15 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	470 Prepa - Green Ba	ration Meth	od: EPA	7470					
Mercury	0.42	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 11:08	7439-97-6	



Project:	209-4221563 WM MERCURY WASTE
1 10/000	

Pace Project No.: 40245579

Sample: PW1	Lab ID:	40245579003	Collecte	d: 05/24/22	2 10:30	Received: 05/	26/22 10:15 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	470 Prepa	ration Meth	od: EPA	7470			
	Pace Ana	lytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 11:10	7439-97-6	



Project:	209-4221563 WM MERCURY WASTE
1 10/000	

Pace Project No.: 40245579

Sample: PW2	Lab ID:	40245579004	Collecte	d: 05/24/22	2 10:00	Received: 05/	26/22 10:15 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	470 Prepa	ration Meth	od: EPA	7470			
	Pace Anal	ytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 11:13	7439-97-6	



Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40245579

Sample: RINSE #1	Lab ID:	40245579005	Collecte	d: 05/24/2	2 12:15	Received: 05/	26/22 10:15 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	470 Prepa	ration Meth	od: EPA	7470			
	Pace Ana	lytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 11:15	7439-97-6	



Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40245579

Sample: RINSE #2	Lab ID:	40245579006	Collecte	d: 05/24/22	2 14:00	Received: 05/	26/22 10:15 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	470 Prepa	ration Meth	od: EPA	7470			
	Pace Ana	lytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/22 10:40	06/06/22 11:17	7439-97-6	



QUALITY CONTROL DATA

Project:	209-4221563 WM	MERCURY WAS	TE									
Pace Project No.:	40245579											
QC Batch:	417399		Ana	ysis Metho	d:	EPA 7470						
QC Batch Method:	EPA 7470		Ana	ysis Descri	ption:	7470 Mercu	iry					
			Labo	oratory:		Pace Analy	tical Servic	es - Green	Вау			
Associated Lab Sar	nples: 40245579	001, 4024557900	02, 402455	79003, 402	45579004,	402455790	05, 402455	79006				
METHOD BLANK:	2403499			Matrix: W	/ater							
Associated Lab Sar	nples: 40245579	001, 4024557900	2, 402455	79003, 402	45579004,	402455790	05, 402455	579006				
			Bla	ink	Reporting							
Parar	neter	Units	Res	sult	Limit	Anal	yzed	Qualifier	S			
Mercury		ug/L		<0.066	0.2	0 06/06/2	2 10:52					
LABORATORY CO	NTROL SAMPLE:	2403500										
			Spike	LC	S	LCS	% R	ес				
Parar	neter	Units	Conc.	Re	sult	% Rec	Limi	ts	Qualifiers			
Mercury		ug/L		5	4.7	9	4 8	85-115		_		
MATRIX SPIKE & N	ATRIX SPIKE DUP	LICATE: 2403	501		2403502	2						
			MS	MSD								
		40245579001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Paramete	r Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	ug/L	0.90	5	5	5.6	5.8	95	98	85-115	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40245579

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40245579001	POND SURFACE	EPA 7470	417399	EPA 7470	417427
40245579002	POND DISCHARGE	EPA 7470	417399	EPA 7470	417427
40245579003	PW1	EPA 7470	417399	EPA 7470	417427
40245579004	PW2	EPA 7470	417399	EPA 7470	417427
40245579005	RINSE #1	EPA 7470	417399	EPA 7470	417427
40245579006	RINSE #2	EPA 7470	417399	EPA 7470	417427

																			UM245.579		
Pace Analytical* CHAIN-OF-CUSTODY Analytical Request Document Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hub/s/pas-standard-terms.pdf Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields											LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here										
Company: Tetra Tech			Billing Inform	nation: 21	211 Durand	Avenue, U	nion G	rove,		ALL BOLD OUTLINED AREAS are fc									re for LAB USE ONLY		
Address: 8413 Excelsior Dr #160, M	ladison, WI 537	17	WI 53182								0.000	Cont	ainor Pr			ch Designt Manager					
Report To: Luke Snecketer (luke sn	ecketer@tetrat	ech com)	Email To: ssr	nolko@w	m com					1											
	etherer erterin	centering		nonee m						** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (cid, (4) sodium hydroxide, (5) zinc acetate,		
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collectio Grove, WI 5	on Info/Ad 3182	dress: 2121	1 Durand A	venue,	Union		(6) me (C) am	A) ascorbic acid, (B) ammonium sultate,										
Customer Project Name/Number:			State: WI Co	unty/City:		e Time Zoi	ne Colle	cted: [r		<u> </u>			1			Lab Sample Receipt Checklist:		
Phone: 608-346-1677 Email:	Site/Facility ID	#: WM M	ercury Waste	, INC.	Complianc	e Monitori	ng?												ustody Seals Present/Intact Y N NA Custody Signatures Present Y N MA CoNector Signature Present /Y/W NA		
luke.specketer@tetratech.com Collected By (print): Riley Eklund	Purchase Orde	r # : 95794	47		DW PWS II	D#:													Bottles Intact 5/2 YN NA Correct Bottles 5/2 YN NA Sufficient Volume 2000 NA		
Collected By (signature): <i>Riley</i>	Quote #: Turnaround Da	ate Require	ed: Standard		DW Location	Ily Packed o	on Ice:		(e)	Σ									Samples Acceived on Ice YOA - Headspace Acceptable Y () WA USDA Regulated Soils		
Sample Disposal: [x] Dispose as appropriate] Return [] Archive: [] Hold:	Rush: (Expedi [] Same D [] 2 Day [[] 4 Day [e Charges ay [] No] 3 Day] 5 Day	[x] Yes [] No See					astic (P) or Glass	AL Total Mercu									Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips:			
* Matrix Codes (Insert in Matrix box Product (P), Soil/Solid (SL), Oil (OL	k below): Drinki .), Wipe (WP), A	ng Water (ir (AR), Tis	DW), Ground sue (TS), Bioa	Water (G ssay (B), V	W), Wastew 'apor (V), Ot	ater (WW) her (OT)	,	1	Type: Pla	P) 250 N					- A 				Lead Acetate Strips:		
Customer Sample ID	Matrix *	Grab	Collect Composit Date	ed (or e Start) Time	Compo Date	site End Time	Cl	# of Ctns	Container	Plastic (Lab Sample # / Comments:		
Pond Surface	ww	Grab	5/24/2022	9:00				1		x									001		
Pond Discharge	ww	Grab	5/24/2022	9:10				1		x									002		
PW1	GW	Grab	5/24/2022	10:30				1		X									003		
PW2	GW	Grab	5/24/2022	10:00				1		X									004		
Rinse #1	ww	Grab	5/24/2022	12:15				1		x									005		
Rinse #2	ww	Grab	5/24/2022	14:00				1		x						-			006		
																-					
							1		1	1											
Customer Remarks / Special Condit	tions / Possible	Hazards:	Type of ice I	Jsed:	Wet	Blue D	l ry	None			SHC	J J DRT HOLO	DS PRES	ENT (<	:72 hou	rs); Y	1 	R/x	DAB Sample Temperature Info: 		
			Packing Material Used:								Sam	nples rec	eiv ed v i	a:	50	S	pre		Therm D#: Cooler 1 Temp Upon Receipe: LOC Cooler 1 Therm Corr. Fortor: A		
Relinquished by/Company; (Signati	ure)	Date	Received by/Company: (Signature)								FI	EDEX Date/Tir	UPS me:	Clien	nt Cou	rier P MTJL I	ace Cou LAB USE	urier ONLY	Cooler 1 Corrected Temp)' dC Comments:		
Relinquished by/Company: (Signat	<u>)</u> ш(е)	5/ 	2/ 6/ 2022 9:254 ate/Time: /0:/5 Received by/Company: (Signature)						Table #: Date/Time: /Acctnum: Trip Blank Received: Y						Trip Blank Received: Y NNA						
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Relinquished by/Company: (Signature) Date/Time: Received by/Company: (S				/: (Signa	aturej		-		Date/Tir	me:		PN PE	Л: 3:			Non Conformance(s): Page: YES / NO of: Page 1					

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DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay

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Pace							AG2S	RG311	RP11				BP3S	VG9A	069T	VG9U	NG9H	MG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T		UN C	voA Vials	H2SO4 nH	42+HOek		HNO3 pH =	oH after ad	(mL)
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AG1H	1 lit	er an	ber g	lass I	HCL			BP	3B	250	nL pl	astic	NaOF	1		VG	9U	40 m	L clea	ar vial		u res		wo	30 SELL	9 OZ	amp	er jar Gar u	unpre	es			ł –
AG4S	125	mL a	mbe	glass	s H2S	604		BP	3N	250 ı	nL pl	astic	HNO	3		VG	9H	40 m	L clea	ar via	HCL			WP	FU	4 oz	plast	jai u. ic iar	unore	s			
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Qualtrax Document ID: 41307

Pace Analytical Services, LLC

DC#_Title: ENV-FRM-GBAY-0014 v02_SCUR Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Conditio	n Upon Receipt Forn	n (SCUR)
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• •		
Client Name: Tetra Tech		WO#:40245579
Courier: CS Logistics	dee EUPS EWaltco	
Client Pace Other:		
Tracking #: 2735 3424	9043	
Custody Seal on Cooler/Box Present:	Xno Seals intact: Ves T	
Custody Seal on Samples Present: 🔽 yes 🗡	Seals intact: Ves I	
Packing Material: T Bubble Wrap T Bub	ble Bags KNone Cott	ner
Thermometer Used <u>SR</u> - \\\	Type of Ice: Wet Blue Dry	None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: /Corr:	00	Person examining contents:
Temp Blank Present: 🔽 yes 🕅 no	Biological Tissue is F	rozen: ves no Date: 5/26/27 artials: MA
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if shipped on D)ry Ice.	
Chain of Custody Present:	Xes INO IN/A 1.	
Chain of Custody Filled Out: 5/26/22	5 X S S N DN/A 2. P9#	- 3126/22 mp
Chain of Custody Relinquished:	Xyes INO IN/A 3.	
Sampler Name & Signature on COC:	Xyes 🗆 No 🗆 N/A 4.	
Samples Arrived within Hold Time:	Xes 🗆 No 5.	
- VOA Samples frozen upon receipt	□Yes □No Date/Time:	
Short Hold Time Analysis (<72hr):	DYes XNo 6.	
Rush Turn Around Time Requested:	□Yes 🗛 7.	
Sufficient Volume:	8.	
For Analysis: 🕅 🗠 MS/MSD); 🗆 Yes 🆄 No 🗆 N/A	•
Correct Containers Used:	XYes □No 9.	
-Pace Containers Used:	Dices Ino Inia	
-Pace IR Containers Used:		
Containers Intact:	25xes 🗆 No 10.	
Filtered volume received for Dissolved tests	□Yes □No 🎾 11.	
Sample Labels match COC:	Xes DNO DN/A 12.	
-Includes date/time/ID/Analysis Matrix:	ω	
Trip Blank Present:	□Yes □No XN/A 13.	
Trip Blank Custody Seals Present	□Yes □No XXN/A	
Pace Trip Blank Lot # (if purchased):		
Client Notification/ Resolution:		If checked, see attached form for additional comments
Comments/ Resolution:	Date/Time:	

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Qualtrax Document ID: 41292

Pace Analytical Services, LLC

2

Page

STEP OUT SAMPLNG ANALYTICAL RESULTS


Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

July 28, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221563 WM MERCURY WASTE Pace Project No.: 40248114

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on July 14, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milery

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY WASTE

Pace Project No .:

o.: 40248114

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40248114001	SP1N1S	Solid	07/12/22 10:30	07/14/22 10:05
40248114002	SP1N1BS	Solid	07/12/22 10:35	07/14/22 10:05
40248114003	SP1N2S	Solid	07/12/22 10:40	07/14/22 10:05
40248114004	SP1N2BS	Solid	07/12/22 10:45	07/14/22 10:05
40248114005	SP1E1S	Solid	07/12/22 10:55	07/14/22 10:05
40248114006	SP1E1BS	Solid	07/12/22 11:00	07/14/22 10:05
40248114007	SP1E2S	Solid	07/12/22 11:20	07/14/22 10:05
40248114008	SP1E2BS	Solid	07/12/22 11:25	07/14/22 10:05
40248114009	SP1W1S	Solid	07/12/22 11:40	07/14/22 10:05
40248114010	SP1W1BS	Solid	07/12/22 11:45	07/14/22 10:05
40248114011	SP1W2S	Solid	07/12/22 12:05	07/14/22 10:05
40248114012	SP1W2BS	Solid	07/12/22 12:10	07/14/22 10:05
40248114013	SP4N1S	Solid	07/12/22 12:30	07/14/22 10:05
40248114014	SP4N1BS	Solid	07/12/22 12:35	07/14/22 10:05
40248114015	SP4N2S	Solid	07/12/22 12:50	07/14/22 10:05
40248114016	SP4N2BS	Solid	07/12/22 12:55	07/14/22 10:05
40248114017	SP4W1S	Solid	07/12/22 14:15	07/14/22 10:05
40248114018	SP4W1BS	Solid	07/12/22 14:20	07/14/22 10:05
0248114019	SP4W2S	Solid	07/12/22 14:40	07/14/22 10:05
0248114020	SP4W2BS	Solid	07/12/22 14:45	07/14/22 10:05
0248114021	SP5NW1S	Solid	07/12/22 15:05	07/14/22 10:05
0248114022	SP5NW1BS	Solid	07/12/22 15:10	07/14/22 10:05
0248114023	SP5NW2S	Solid	07/12/22 15:30	07/14/22 10:05
40248114024	SP5NW2BS	Solid	07/12/22 15:35	07/14/22 10:05
40248114025	SP5SW1S	Solid	07/12/22 15:55	07/14/22 10:05
40248114026	SP5SW1BS	Solid	07/12/22 16:00	07/14/22 10:05
40248114027	SP5SW2S	Solid	07/12/22 16:10	07/14/22 10:05
40248114028	SP5SW2BS	Solid	07/12/22 16:15	07/14/22 10:05
40248114029	SP5SE1S	Solid	07/12/22 16:30	07/14/22 10:05
40248114030	SP5SE1BS	Solid	07/12/22 16:35	07/14/22 10:05
40248114031	SP5SE2S	Solid	07/12/22 16:45	07/14/22 10:05
40248114032	SP5SE2BS	Solid	07/12/22 16:50	07/14/22 10:05
40248114033	SP5SE3S	Solid	07/12/22 17:05	07/14/22 10:05
40248114034	SP5SE3BS	Solid	07/12/22 17:10	07/14/22 10:05
40248114035	RINSE #1	Water	07/12/22 11:30	07/14/22 10:05
40248114036	RINSE #2	Water	07/12/22 13:00	07/14/22 10:05
40248114037	RINSE #3	Water	07/12/22 15:40	07/14/22 10:05



SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40248114038	RINSE #4	Water	07/12/22 17:20	07/14/22 10:05



SAMPLE ANALYTE COUNT

 Project:
 209-4221563 WM MERCURY WASTE

 Pace Project No.:
 40248114

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40248114001	SP1N1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114002	SP1N1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114003	SP1N2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114004	SP1N2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114005	SP1E1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114006	SP1E1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114007	SP1E2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114008	SP1E2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114009	SP1W1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114010	SP1W1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114011	SP1W2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114012	SP1W2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114013	SP4N1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114014	SP4N1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114015	SP4N2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114016	SP4N2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114017	SP4W1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114018	SP4W1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114019	SP4W2S	EPA 7471	AJT	1



SAMPLE ANALYTE COUNT

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	PDV	1
40248114020	SP4W2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114021	SP5NW1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114022	SP5NW1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114023	SP5NW2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114024	SP5NW2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114025	SP5SW1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114026	SP5SW1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114027	SP5SW2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114028	SP5SW2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114029	SP5SE1S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114030	SP5SE1BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114031	SP5SE2S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114032	SP5SE2BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114033	SP5SE3S	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114034	SP5SE3BS	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40248114035	RINSE #1	EPA 7470	AJT	1
40248114036	RINSE #2	EPA 7470	AJT	1
40248114037	RINSE #3	EPA 7470	AJT	1
40248114038	RINSE #4	EPA 7470	AJT	1

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab Sample ID Client Sample ID Parameters Method Qualifiers Result Units Report Limit Analyzed 40248114001 SP1N1S EPA 7471 Mercury 3.8 mg/kg 0.084 07/19/22 12:45 M0 ASTM D2974-87 Percent Moisture 16.6 % 0.10 07/15/22 12:18 40248114002 SP1N1BS EPA 7471 Mercury 0.22 mg/kg 0.040 07/19/22 11:08 ASTM D2974-87 Percent Moisture 16.0 % 0.10 07/15/22 12:18 40248114003 SP1N2S EPA 7471 Mercurv 2.2 mg/kg 0.075 07/19/22 12:57 ASTM D2974-87 Percent Moisture 14.9 07/15/22 12:18 % 0.10 SP1N2BS 40248114004 EPA 7471 Mercury 0.27 mg/kg 0.041 07/19/22 11:17 ASTM D2974-87 Percent Moisture 14.7 % 0.10 07/15/22 12:18 SP1E1S 40248114005 EPA 7471 Mercury 4.7 mg/kg 0.20 07/19/22 12:59 ASTM D2974-87 Percent Moisture 16.7 07/15/22 12:54 % 0.10 SP1E1BS 40248114006 EPA 7471 0.32 mg/kg 0.039 07/19/22 11:24 Mercury ASTM D2974-87 Percent Moisture 13.2 % 0.10 07/15/22 12:54 40248114007 SP1E2S EPA 7471 Mercury 6.3 mg/kg 0.20 07/19/22 13:02 ASTM D2974-87 Percent Moisture 18.8 0.10 07/15/22 12:54 % SP1E2BS 40248114008 EPA 7471 Mercurv 2.7 mg/kg 0.079 07/19/22 13:04 ASTM D2974-87 Percent Moisture 14.3 0.10 07/15/22 12:54 % SP1W1S 40248114009 EPA 7471 Mercury 0.36 mg/kg 0.039 07/19/22 11:35 ASTM D2974-87 Percent Moisture 16.7 % 0.10 07/15/22 12:54 40248114010 SP1W1BS EPA 7471 Mercury 0.30 mg/kg 0.039 07/19/22 11:38 ASTM D2974-87 Percent Moisture 16.1 % 0.10 07/15/22 12:54 SP1W2S 40248114011 EPA 7471 3.7 mg/kg 0.080 07/19/22 13:06 Mercury ASTM D2974-87 Percent Moisture 18.7 % 0.10 07/15/22 12:54 40248114012 SP1W2BS FPA 7471 Mercury 0.71 mg/kg 0.040 07/19/22 11:45 ASTM D2974-87 Percent Moisture 0.10 07/15/22 12:54 15.7 % SP4N1S 40248114013 EPA 7471 Mercury 0.081 mg/kg 0.039 07/19/22 11:52 ASTM D2974-87 Percent Moisture 07/15/22 12:54 15.1 % 0.10



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab Sample ID Client Sample ID Qualifiers Method Parameters Result Units Report Limit Analyzed 40248114014 SP4N1BS EPA 7471 Mercury 69.1 mg/kg 1.8 07/19/22 13:40 ASTM D2974-87 Percent Moisture 11.5 % 0.10 07/15/22 12:54 40248114015 SP4N2S EPA 7471 Mercury 71.9 mg/kg 2.0 07/19/22 13:42 ASTM D2974-87 Percent Moisture 13.8 % 0.10 07/15/22 12:55 40248114016 SP4N2BS EPA 7471 Mercury 1.1 mg/kg 0.038 07/19/22 12:15 ASTM D2974-87 Percent Moisture 10.3 0.10 07/15/22 12:55 % 40248114017 SP4W1S EPA 7471 Mercury 114 mg/kg 3.6 07/19/22 13:44 ASTM D2974-87 Percent Moisture 13.1 % 0.10 07/15/22 12:55 SP4W1BS 40248114018 EPA 7471 Mercury 0.46 mg/kg 0.037 07/19/22 12:29 ASTM D2974-87 Percent Moisture 7.7 07/15/22 12:55 % 0.10 SP4W2S 40248114019 EPA 7471 48.1 mg/kg 2.0 07/19/22 13:47 Mercury ASTM D2974-87 Percent Moisture 13.0 % 07/15/22 12:55 0.10 40248114020 SP4W2BS EPA 7471 Mercury 0.11 mg/kg 0.037 07/19/22 12:42 ASTM D2974-87 Percent Moisture 16.5 0.10 07/15/22 12:55 % SP5NW1S 40248114021 EPA 7471 Mercurv 7.5 mg/kg 0.37 07/26/22 07:11 ASTM D2974-87 Percent Moisture 12.3 07/15/22 12:55 % 0.10 SP5NW1BS 40248114022 EPA 7471 Mercury 0.34 mg/kg 0.038 07/26/22 08:41 ASTM D2974-87 Percent Moisture 10.0 % 0.10 07/15/22 12:55 40248114023 SP5NW2S EPA 7471 Mercury 1.7 mg/kg 0.40 07/26/22 07:15 ASTM D2974-87 Percent Moisture 13.6 07/15/22 12:55 % 0.10 SP5NW2BS 40248114024 EPA 7471 0.054 mg/kg 0.036 07/26/22 08:43 Mercury 1q ASTM D2974-87 Percent Moisture 12.1 % 0.10 07/15/22 13:33 40248114025 SP5SW1S EPA 7471 Mercury 0.60 mg/kg 0.36 07/26/22 07:20 1q ASTM D2974-87 Percent Moisture 13.5 0.10 07/15/22 13:33 % SP5SW1BS 40248114026 EPA 7471 Mercurv 0.10 mg/kg 0.035 07/26/22 08:45 1a ASTM D2974-87 Percent Moisture 07/15/22 13:33 9.0 % 0.10



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40248114027	SP5SW2S					
EPA 7471	Mercury	2.1	mg/kg	0.40	07/26/22 07:25	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	07/15/22 13:33	
40248114028	SP5SW2BS					
EPA 7471	Mercury	0.42	mg/kg	0.035	07/26/22 08:48	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	07/15/22 13:34	
40248114029	SP5SE1S					
EPA 7471	Mercury	5.2	mg/kg	0.39	07/26/22 07:29	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	07/15/22 13:34	
40248114030	SP5SE1BS					
EPA 7471	Mercury	1.7	mg/kg	0.40	07/26/22 07:36	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	07/15/22 13:34	
40248114031	SP5SE2S					
EPA 7471	Mercury	7.0	mg/kg	0.42	07/26/22 07:39	
ASTM D2974-87	Percent Moisture	18.5	%	0.10	07/15/22 13:34	
40248114032	SP5SE2BS					
EPA 7471	Mercury	0.87	mg/kg	0.39	07/26/22 07:41	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	07/15/22 13:34	
40248114033	SP5SE3S					
EPA 7471	Mercury	3.4	mg/kg	0.40	07/26/22 07:43	
ASTM D2974-87	Percent Moisture	13.8	%	0.10	07/15/22 13:34	
40248114034	SP5SE3BS					
EPA 7471	Mercury	0.57	mg/kg	0.36	07/26/22 07:46	1q
ASTM D2974-87	Percent Moisture	11.0	%	0.10	07/15/22 13:34	



Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No.:

Sample: SP1N1S	Lab ID:	4024811400	1 Collected	: 07/12/22	2 10:30	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weig	ht" basis and are	adjusted fo	r percent mo	isture, sar	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Vethod: EPA /tical Service	. 7471 Prepara s - Green Bay	ation Metho	od: EPA	A 7471			
Mercury	3.8	mg/kg	0.084	0.024	2	07/18/22 13:15	07/19/22 12:45	7439-97-6	MO
Percent Moisture	Analytical I Pace Analy	Method: AST /tical Service	M D2974-87 s - Green Bay	,					
Percent Moisture	16.6	%	0.10	0.10	1		07/15/22 12:18		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1N1BS	Lab ID:	40248114002	Collected	l: 07/12/22	2 10:35	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight"	" basis and are	e adjusted for	percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.22	mg/kg	0.040	0.011	1	07/18/22 13:15	07/19/22 11:08	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	l D2974-87 - Green Bay	,					
Percent Moisture	16.0	%	0.10	0.10	1		07/15/22 12:18		



Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No .:

Sample: SP1N2S	Lab ID:	40248114003	Collected	d: 07/12/22	2 10:40	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight	" basis and are	adjusted for	percent mo	oisture, sai	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Method: EPA 7 /tical Services	'471 Prepar - Green Bay	ation Meth	od: EP/	A 7471			
Mercury	2.2	mg/kg	0.075	0.021	2	07/18/22 13:15	07/19/22 12:57	7439-97-6	
Percent Moisture	Analytical I Pace Analy	Method: ASTM /tical Services	l D2974-87 - Green Bay	/					
Percent Moisture	14.9	%	0.10	0.10	1		07/15/22 12:18		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1N2BS	Lab ID:	40248114004	Collected	l: 07/12/22	2 10:45	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weigh	nt" basis and are	e adjusted fo	r percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepara s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.27	mg/kg	0.041	0.012	1	07/18/22 13:15	07/19/22 11:17	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTI	M D2974-87 s - Green Bay	,					
Percent Moisture	14.7	%	0.10	0.10	1		07/15/22 12:18		



Qual

ANALYTICAL RESULTS

Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No.:

Sample: SP1E1S Lab ID: 40248114005 Collected: 07/12/22 10:55 Received: 07/14/22 10:05 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. Parameters Results Units LOQ LOD DF Prepared Analyzed CAS No. Analytical Method: EPA 7471 Preparation Method: EPA 7471 7471 Mercury Pace Analytical Services - Green Bay 07/18/22 13:15 07/19/22 12:59 7439-97-6 Mercury 4.7 mg/kg 0.20 0.057 5 Analytical Method: ASTM D2974-87 **Percent Moisture** Pace Analytical Services - Green Bay

 Percent Moisture
 16.7
 %
 0.10
 0.10
 1
 07/15/22 12:54



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1E1BS	Lab ID:	40248114006	Collected	l: 07/12/22	2 11:00	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight"	" basis and are	e adjusted for	r percent mo	isture, sar	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service:	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.32	mg/kg	0.039	0.011	1	07/18/22 13:15	07/19/22 11:24	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTI ytical Service:	M D2974-87 s - Green Bay	,					
Percent Moisture	13.2	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1E2S	Lab ID:	40248114007	7 Collected	: 07/12/22	2 11:20	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weig	ht" basis and are	adjusted fo	r percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical I Pace Analy	Vethod: EPA /tical Service:	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	6.3	mg/kg	0.20	0.056	5	07/18/22 13:15	07/19/22 13:02	7439-97-6	
Percent Moisture	Analytical I Pace Analy	Method: ASTI /tical Service:	M D2974-87 s - Green Bay	,					
Percent Moisture	18.8	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1E2BS	Lab ID:	4024811400	B Collected	l: 07/12/22	2 11:25	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight	t" basis and are	e adjusted fo	r percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	2.7	mg/kg	0.079	0.023	2	07/18/22 13:15	07/19/22 13:04	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: AST	M D2974-87 s - Green Bay	,					
Percent Moisture	14.3	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1W1S	Lab ID:	40248114009	Collected	l: 07/12/22	2 11:40	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight	" basis and are	e adjusted for	percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.36	mg/kg	0.039	0.011	1	07/18/22 13:15	07/19/22 11:35	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	1 D2974-87 - Green Bay	/					
Percent Moisture	16.7	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1W1BS	Lab ID:	40248114010	Collected	d: 07/12/22	2 11:45	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight"	basis and are	e adjusted for _l	percent mo	oisture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7	471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.30	mg/kg	0.039	0.011	1	07/18/22 13:15	07/19/22 11:38	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM	D2974-87 - Green Bay	/					
Percent Moisture	16.1	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114 Sample: SP1W2S Collected: 07/12/22 12:05 Received: 07/14/22 10:05 Matrix: Solid Lab ID: 40248114011

Results reported on a "dry wei	ight" basis and ar	e adjusted fo	or percent mo	isture, sar	nple s	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA	A 7471 Prepar es - Green Bay	ation Metho	od: EP	A 7471			
Mercury	3.7	mg/kg	0.080	0.023	2	07/18/22 13:15	07/19/22 13:06	7439-97-6	
Percent Moisture	Analytical Pace Ana	Method: AST	「M D2974-87 es - Green Bay	,					
Percent Moisture	18.7	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP1W2BS	Lab ID:	40248114012	Collected	l: 07/12/22	2 12:10	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weigh	t" basis and are	e adjusted for	percent mo	isture, san	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	'471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.71	mg/kg	0.040	0.011	1	07/18/22 13:15	07/19/22 11:45	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN lytical Services	l D2974-87 - Green Bay	,					
Percent Moisture	15.7	%	0.10	0.10	1		07/15/22 12:54		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample:	SP4N1S	Lab ID:	40248114013	Collected	d: 07/12/22	2 12:30	Received: 07/	14/22 10:05 Ma	atrix: Solid				
Results	reported on a "dry we	eight" basis and are	e adjusted for	percent mo	oisture, sai	nple s	ize and any diluti	ons.					
	Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Me	rcury	Analytical Pace Anal	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay										
Mercury		0.081	mg/kg	0.039	0.011	1	07/18/22 13:15	07/19/22 11:52	7439-97-6				
Percent	Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent	Moisture	15.1	%	0.10	0.10	1		07/15/22 12:54					



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP4N1BS	Lab ID:	4024811401	4 Collected	: 07/12/22	2 12:35	Received: 07/	14/22 10:05 Ma	atrix: Solid				
Results reported on a "dry weigl	ht" basis and are	e adjusted fo	or percent mo	isture, sar	nple s	ize and any diluti	ons.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepara es - Green Bay	ation Meth	od: EP	A 7471						
Mercury	69.1	mg/kg	1.8	0.51	50	07/18/22 13:15	07/19/22 13:40	7439-97-6				
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent Moisture	11.5	%	0.10	0.10	1		07/15/22 12:54					



Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No .:

Sample: SP4N2S	Lab ID:	40248114015	Collected	l: 07/12/22	12:50	Received: 07/	14/22 10:05 Ma	atrix: Solid			
Results reported on a "dry weight"	basis and are	adjusted for	percent mo	isture, san	nple si	ze and any diluti	ons.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical I Pace Analy	Method: EPA 7 /tical Services	471 Prepar - Green Bay	ation Metho	od: EP/	7471					
Mercury	71.9	mg/kg	2.0	0.57	50	07/18/22 13:15	07/19/22 13:42	7439-97-6			
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent Moisture	13.8	%	0.10	0.10	1		07/15/22 12:55				



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP4N2BS	Lab ID:	4024811401	6 Collected	l: 07/12/22	2 12:55	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weigh	ht" basis and ar	e adjusted fo	r percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Ana	Method: EPA lytical Service	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	1.1	mg/kg	0.038	0.011	1	07/18/22 13:15	07/19/22 12:15	7439-97-6	
Percent Moisture	Analytical Pace Ana	Method: AST lytical Service	M D2974-87 s - Green Bay	,					
Percent Moisture	10.3	%	0.10	0.10	1		07/15/22 12:55		



Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No .:

Sample:	SP4W1S	Lab ID:	40248114017	Collected:	: 07/12/22	2 14:15	Received: 07/	14/22 10:05 Ma	atrix: Solid			
Results	reported on a "dry we	eight" basis and are	adjusted fo	r percent moi	isture, sar	nple si	ze and any diluti	ons.				
	Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Me	rcury	Analytical M Pace Analy	Method: EPA	7471 Prepara s - Green Bay	ation Metho	od: EPA	A 7471					
Mercury		114	mg/kg	3.6	1.0	100	07/18/22 13:15	07/19/22 13:44	7439-97-6			
Percent	Moisture	Analytical Pace Analy	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent N	Moisture	13.1	%	0.10	0.10	1		07/15/22 12:55				



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP4W1BS	Lab ID:	40248114018	Collected	I: 07/12/22	2 14:20	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weigh	nt" basis and are	e adjusted for	r percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.46	mg/kg	0.037	0.011	1	07/18/22 13:15	07/19/22 12:29	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN	M D2974-87 s - Green Bay	1					
Percent Moisture	7.7	%	0.10	0.10	1		07/15/22 12:55		



Project: 209-4221563 WM MERCURY WASTE

40248114

Pace Project No.:

Sample: SP4	W2S	Lab ID:	40248114019	Collected	l: 07/12/22	2 14:40	Received: 07/	14/22 10:05 Ma	atrix: Solid			
Results report	ted on a "dry wei	ght" basis and are	e adjusted for	r percent mo	isture, sar	nple s	ize and any diluti	ons.				
Pa	rameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury		Analytical Pace Anal	Method: EPA ytical Services	7471 Prepar s - Green Bay	ation Metho	od: EP	A 7471					
Mercury		48.1	mg/kg	2.0	0.57	50	07/18/22 13:15	07/19/22 13:47	7439-97-6			
Percent Moist	ure	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moistu	ire	13.0	%	0.10	0.10	1		07/15/22 12:55				



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP4W2BS	Lab ID:	40248114020	Collected	l: 07/12/22	2 14:45	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weigl	ht" basis and are	e adjusted for	r percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.11	mg/kg	0.037	0.011	1	07/18/22 13:15	07/19/22 12:42	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTN ytical Services	/I D2974-87 s - Green Bay	,					
Percent Moisture	16.5	%	0.10	0.10	1		07/15/22 12:55		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5NW1S	Lab ID:	40248114021	Collected	d: 07/12/22	2 15:05	Received: 07/	14/22 10:05 Ma	atrix: Solid		
Results reported on a "dry weight	" basis and are	e adjusted for	percent mo	oisture, sar	nple si	ize and any diluti	ons.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	471 Prepar - Green Bay	ration Metho y	od: EP/	A 7471				
Mercury	7.5	mg/kg	0.37	0.11	10	07/25/22 09:54	07/26/22 07:11	7439-97-6		
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	12.3	%	0.10	0.10	1		07/15/22 12:55			



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5NW1BS	Lab ID:	4024811402	2 Collected	l: 07/12/22	2 15:10	Received: 07/	14/22 10:05 Ma	atrix: Solid				
Results reported on a "dry we	eight" basis and are	e adjusted fo	r percent mo	isture, sar	nple si	ize and any diluti	ons.					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471						
Mercury	0.34	mg/kg	0.038	0.011	1	07/25/22 09:54	07/26/22 08:41	7439-97-6				
Percent Moisture	Analytical Pace Anal	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent Moisture	10.0	%	0.10	0.10	1		07/15/22 12:55					



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5NW2S	Lab ID:	40248114023	Collected	d: 07/12/22	15:30	Received: 07/	14/22 10:05 Ma	atrix: Solid		
Results reported on a "dry weight	" basis and are	e adjusted for	percent mo	oisture, san	nple si	ze and any diluti	ons.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA 7 lytical Services	7471 Prepar - Green Bay	ation Metho	od: EP/	A 7471				
Mercury	1.7	mg/kg	0.40	0.11	10	07/25/22 09:54	07/26/22 07:15	7439-97-6		
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	13.6	%	0.10	0.10	1		07/15/22 12:55			



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5NW2BS	Lab ID:	40248114024	Collected	l: 07/12/22	2 15:35	Received: 07/	14/22 10:05 Ma	atrix: Solid			
Results reported on a "dry weig	ght" basis and are	e adjusted for	percent mo	isture, san	nple si	ize and any diluti	ons.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ation Metho	od: EP/	A 7471					
Mercury	0.054	mg/kg	0.036	0.010	1	07/25/22 09:54	07/26/22 08:43	7439-97-6	1q		
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent Moisture	12.1	%	0.10	0.10	1		07/15/22 13:33				



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample:	SP5SW1S	Lab ID:	4024811402	5 Collected	: 07/12/22	2 15:55	Received: 07/	14/22 10:05 Ma	atrix: Solid				
Results re	eported on a "dry we	eight" basis and are	adjusted fo	or percent mo	isture, san	nple si	ize and any diluti	ons.					
	Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual			
7471 Merc	cury	Analytical I Pace Analy	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay										
Mercury		0.60	mg/kg	0.36	0.10	10	07/25/22 09:54	07/26/22 07:20	7439-97-6	1q			
Percent N	loisture	Analytical I Pace Analy	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent M	oisture	13.5	%	0.10	0.10	1		07/15/22 13:33					



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SW1BS	Lab ID:	40248114026	6 Collected	l: 07/12/22	2 16:00	Received: 07/	14/22 10:05 Ma	atrix: Solid			
Results reported on a "dry weight	" basis and are	e adjusted fo	r percent mo	isture, san	nple si	ize and any diluti	ons.				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471					
Mercury	0.10	mg/kg	0.035	0.0099	1	07/25/22 09:54	07/26/22 08:45	7439-97-6	1q		
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay										
Percent Moisture	9.0	%	0.10	0.10	1		07/15/22 13:33				



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SW2S	Lab ID:	40248114027	Collected	d: 07/12/22	2 16:10	Received: 07/	14/22 10:05 Ma	atrix: Solid		
Results reported on a "dry weig	ht" basis and are	e adjusted for	percent mo	oisture, san	nple si	ize and any diluti	ons.			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
7471 Mercury	Analytical Pace Anal	Method: EPA	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471				
Mercury	2.1	mg/kg	0.40	0.11	10	07/25/22 09:54	07/26/22 07:25	7439-97-6		
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	12.4	%	0.10	0.10	1		07/15/22 13:33			


Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SW2BS	Lab ID:	40248114028	Collected	l: 07/12/22	2 16:15	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight	" basis and are	e adjusted for	percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.42	mg/kg	0.035	0.010	1	07/25/22 09:54	07/26/22 08:48	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTM ytical Services	D2974-87 - Green Bay	,					
Percent Moisture	7.1	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE1S	Lab ID:	4024811402	9 Collected	: 07/12/22	2 16:30	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry wei	ght" basis and are	e adjusted fo	r percent mo	isture, sar	nple s	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Service	7471 Prepar s - Green Bay	ation Meth	od: EP	A 7471			
Mercury	5.2	mg/kg	0.39	0.11	10	07/25/22 09:54	07/26/22 07:29	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	15.2	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE1BS	Lab ID:	4024811403	0 Collected	d: 07/12/22	2 16:35	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weig	ht" basis and are	e adjusted fo	r percent mo	oisture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA	.7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	1.7	mg/kg	0.40	0.11	10	07/25/22 09:54	07/26/22 07:36	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: AST	M D2974-87 s - Green Bay	/					
Percent Moisture	14.3	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE2S	Lab ID:	40248114031	Collected	l: 07/12/22	2 16:45	Received: 07/	14/22 10:05 Ma	trix: Solid	
Results reported on a "dry weight	t" basis and are	e adjusted for	percent mo	isture, san	nple si	ze and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	'471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	7.0	mg/kg	0.42	0.12	10	07/25/22 09:54	07/26/22 07:39	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	18.5	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE2BS	Lab ID:	40248114032	Collected	I: 07/12/22	2 16:50	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weig	ght" basis and are	e adjusted for	percent mo	isture, san	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7 ytical Services	7471 Prepar - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	0.87	mg/kg	0.39	0.11	10	07/25/22 09:54	07/26/22 07:41	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	12.3	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE3S	Lab ID:	40248114033	Collected	I: 07/12/22	2 17:05	Received: 07/	14/22 10:05 Ma	atrix: Solid	
Results reported on a "dry weight	" basis and are	e adjusted for	r percent mo	isture, sar	nple si	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Services	7471 Prepar s - Green Bay	ation Metho	od: EP/	A 7471			
Mercury	3.4	mg/kg	0.40	0.11	10	07/25/22 09:54	07/26/22 07:43	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	13.8	%	0.10	0.10	1		07/15/22 13:34		



Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Sample: SP5SE3BS	Lab ID: 40248114034 Collected: 07/12/22 17:10 Received: 07/14/22 10:05 Matrix: Solid								
Results reported on a "dry weigh	nt" basis and are	e adjusted for	percent mo	oisture, sar	nple s	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA 7	7471 Prepar s - Green Bay	ation Metho	od: EP	A 7471			
Mercury	0.57	mg/kg	0.36	0.10	10	07/25/22 09:54	07/26/22 07:46	7439-97-6	1q
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	11.0	%	0.10	0.10	1		07/15/22 13:34		



Qual

ANALYTICAL RESULTS

Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40248114

Sample: RINSE #1	Lab ID:	40248114035	Collecte	d: 07/12/22	2 11:30	Received: 07/	14/22 10:05 Ma	atrix: Water
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay							
Mercury	<0.066	ug/L	0.20	0.066	1	07/27/22 10:25	07/28/22 06:53	7439-97-6



Qual

ANALYTICAL RESULTS

Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40248114

Sample: RINSE #2	Lab ID:	40248114036	Collected	l: 07/12/22	2 13:00	Received: 07/	14/22 10:05 Ma	atrix: Water
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay							
Mercury	<0.066	ug/L	0.20	0.066	1	07/27/22 10:25	07/28/22 06:55	7439-97-6



Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40248114

Sample: RINSE #3	Lab ID:	40248114037	Collecte	d: 07/12/22	2 15:40	Received: 07/	14/22 10:05 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	470 Prepa	ration Meth	od: EPA	7470			
	Pace Anal	lytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	07/27/22 10:25	07/28/22 06:57	7439-97-6	



Project:	209-4221563 WM MERCURY WASTE
1 10/000	LOO ILLIGOO IIIII MERCOORTI III COTE

Pace Project No.: 40248114

Sample: RINSE #4	Lab ID:	40248114038	Collecte	d: 07/12/2	2 17:20	Received: 07/	14/22 10:05 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical	Method: EPA 7	'470 Prepa	ration Meth	od: EPA	7470			
	Pace Ana	lytical Services	- Green Ba	у					
Mercury	<0.066	ug/L	0.20	0.066	1	07/27/22 10:25	07/28/22 07:04	7439-97-6	



Project:	209-4221563 WM	MERCURY WAS	TE									
Pace Project No.:	40248114											
QC Batch:	421864		Anal	ysis Metho	od:	EPA 7470						
QC Batch Method:	EPA 7470		Anal	ysis Descr	iption:	7470 Mercu	iry					
			Labo	oratory:		Pace Analy	ical Servic	es - Green	Bay			
Associated Lab Sam	nples: 402481140	35, 4024811403	6, 4024811	4037, 402	48114038							
METHOD BLANK:	2429937			Matrix: W	/ater							
Associated Lab Sam	nples: 402481140	35, 4024811403	6, 4024811	4037, 402	48114038							
			Bla	nk	Reporting							
Param	neter	Units	Res	sult	Limit	Anal	yzed	Qualifier	s			
Mercury		ug/L		<0.066	0.2	20 07/28/2	2 06:41					
LABORATORY CON	ITROL SAMPLE:	2429938										
_			Spike	L(CS	LCS	% R	ec				
Param	neter	Units	Conc.	Re	sult	% Rec	Limi	ts (Qualifiers			
Mercury		ug/L		5	4.9	9	9 8	85-115				
MATRIX SPIKE & M	ATRIX SPIKE DUP	LICATE: 2429	939		2429940)						
		40048064004	MS	MSD	MC	MCD	MC	MOD			May	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	2% Rec	RPD	RPD	Qual
Mercury	ug/L	<0.066	5	5	4.9	4.9	98	98	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-42215	63 WM N	IERCURY WAS	TE									
Pace Project No.:	40248114												
QC Batch:	421038			Ana	lysis Metho	d:	EPA 7471						
QC Batch Method:	EPA 7471	I		Ana	lysis Descri	iption:	7471 Mercu	ry					
				Labo	oratory:		Pace Analyt	ical Service	es - Green	Bay			
Associated Lab San	nples: 40 40 40	2481140 2481140 2481140	01, 4024811400 08, 4024811400 15, 4024811401	2, 4024811 9, 4024811 6, 4024811	14003, 4024 14010, 4024 14017, 4024	48114004, 48114011, 48114018,	4024811400 4024811401 4024811401	5, 4024811 2, 4024811 9, 4024811	4006, 402 4013, 402 4020	48114007, 48114014,			
METHOD BLANK:	2425366				Matrix: S	olid							
Associated Lab San	nples: 40 40 40	2481140 2481140 2481140	01, 4024811400 08, 4024811400 15, 4024811401	2, 4024811 9, 4024811 6, 4024811	14003, 4024 14010, 4024 14017, 4024	48114004, 48114011, 48114018,	4024811400 4024811401 4024811401	5, 4024811 2, 4024811 9, 4024811	4006, 402 4013, 402 4020	48114007, 48114014,			
5				Bla	ank	Reporting			0				
Paran	neter		Units		Suit	Limit	Analy	/zed	Qualifier	S			
Mercury			mg/kg		<0.010	0.03	35 07/19/22	2 10:49					
LABORATORY COM	NTROL SAM	1PLE:	2425367										
				Spike	e LC	CS	LCS	% Re	ec				
Paran	neter		Units	Conc.	. Re:	sult	% Rec	Limi	ts	Qualifiers	_		
Mercury			mg/kg	0.	83	0.85	102	2 8	35-115				
MATRIX SPIKE & N	IATRIX SPI	KE DUPL	ICATE: 2425	368		242536	9						
				MS	MSD								
Parameter	r	Units	40248114001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury		mg/kg	3.8	1	0.98	3.2	3.5	-59	-36	85-115	7	20	MO

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:	209-422	21563 WM N	IERCURY WAS	TE									
Pace Project No.:	402481	14											
QC Batch:	42160)3		Analy	sis Metho	d:	EPA 7471						
QC Batch Method:	EPA 7	471		Analy	/sis Descri	ption:	7471 Merc	ury					
				Labo	ratory:		Pace Anal	ytical Servic	es - Green	n Bay			
Associated Lab Sar	mples:	4024811402 4024811402	21, 40248114022 28, 40248114029	2, 4024811 9, 4024811	4023, 4024 4030, 4024	48114024, 48114031,	402481140 402481140)25, 402481)32, 402481	14026, 402 14033, 402	248114027, 248114034			
METHOD BLANK:	242889	4			Matrix: So	olid							
Associated Lab Sar	mples:	4024811402 4024811402	21, 40248114022 28, 40248114029	2, 4024811 9, 4024811 Blar	4023, 4024 4030, 4024 nk	48114024, 48114031, Reporting	402481140 402481140)25, 402481)32, 402481	14026, 402 14033, 402	248114027, 248114034			
Para	meter		Units	Res	ult	Limit	Ana	alyzed	Qualifier	rs			
Mercury			mg/kg		<0.010	0.03	35 07/26/	22 06:50					
LABORATORY CO	NTROL S	SAMPLE: 2	2428895										
				Spike	LC	S	LCS	% R	ec				
Parar	meter		Units	Conc.	Res	sult	% Rec	Lim	its	Qualifiers	_		
Mercury			mg/kg	0.8	3	0.87	1	04	85-115				
MATRIX SPIKE & M	MATRIX S	PIKE DUPL	ICATE: 24288	396 MS	MSD	242889	7						
			40248608005	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Paramete	er	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury		mg/kg	<0.011	0.96	0.96	1.0	1.0	102	103	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pace Project No.:	209-4221563 WM N 40248114	IERCURY WAST	E					
QC Batch:	420944		Analysis Meth	od:	ASTM D2974-87			
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Perce	nt Moisture		
			Laboratory:		Pace Analytical S	ervices - Gree	en Bay	
Associated Lab Sar	mples: 402481140	01, 40248114002	, 40248114003, 402	248114004				
SAMPLE DUPLICA	TE: 2424575							
			40248086002	Dup		Max		
Parar	neter	Units	Result	Result	RPD	RPD	Qualifiers	
Percent Moisture	, .	%	4.9	4	.8 1		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Proiect:	209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

QC Batch:	420949	Analysis Method:	ASTM D2974-87	
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture	
		Laboratory:	Pace Analytical Services - Green Bay	
Associated Lab Samp	les: 40248114005, 4 40248114012, 4 40248114019, 4	0248114006, 40248114007, 40248114008 0248114013, 40248114014, 40248114015 0248114020, 40248114021, 40248114022	, 40248114009, 40248114010, 40248114011, , 40248114016, 40248114017, 40248114018, , 40248114023	

SAMPLE DUPLICATE: 2424609						
		40248125004	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	13.3	13.1	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Percent Moisture

QUALITY CONTROL DATA

Project: Pace Project No.:	209-422 402481	21563 WM ME 14	RCURY WAST	E					
QC Batch:	42095	2		Analysis Meth	nod:	ASTM D2974-87			
QC Batch Method:	ASTM	D2974-87		Analysis Deso	cription:	Dry Weight/Perce	nt Moisture		
				Laboratory:		Pace Analytical S	ervices - Green	Вау	
Associated Lab Sar	nples:	40248114024, 40248114031,	40248114025, 40248114032,	40248114026, 40 40248114033, 40)248114027,)248114034	40248114028, 402	248114029, 402	48114030,	
SAMPLE DUPLICA	TE: 24	24678							
				40248124001	Dup		Max		
Parar	neter		Units	Result	Result	RPD	RPD	Qualifiers	

16.5

3

10

17.0

%

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q Analyte was measured in the associated method blank at a concentration of -0.013mg/kg.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248114035	RINSE #1	EPA 7470	421864	EPA 7470	421903
40248114036	RINSE #2	EPA 7470	421864	EPA 7470	421903
40248114037	RINSE #3	EPA 7470	421864	EPA 7470	421903
40248114038	RINSE #4	EPA 7470	421864	EPA 7470	421903
40248114001	SP1N1S	EPA 7471	421038	EPA 7471	421081
40248114002	SP1N1BS	EPA 7471	421038	EPA 7471	421081
40248114003	SP1N2S	EPA 7471	421038	EPA 7471	421081
40248114004	SP1N2BS	EPA 7471	421038	EPA 7471	421081
40248114005	SP1E1S	EPA 7471	421038	EPA 7471	421081
40248114006	SP1E1BS	EPA 7471	421038	EPA 7471	421081
40248114007	SP1E2S	EPA 7471	421038	EPA 7471	421081
40248114008	SP1E2BS	EPA 7471	421038	EPA 7471	421081
40248114009	SP1W1S	EPA 7471	421038	EPA 7471	421081
40248114010	SP1W1BS	EPA 7471	421038	EPA 7471	421081
40248114011	SP1W2S	EPA 7471	421038	EPA 7471	421081
40248114012	SP1W2BS	EPA 7471	421038	EPA 7471	421081
40248114013	SP4N1S	EPA 7471	421038	EPA 7471	421081
40248114014	SP4N1BS	EPA 7471	421038	EPA 7471	421081
40248114015	SP4N2S	FPA 7471	421038	EPA 7471	421081
40248114016	SP4N2BS	FPA 7471	421038	EPA 7471	421081
40248114017	SP4W1S	EPA 7471	421038	EPA 7471	421081
40248114018	SP4W1BS	EPA 7471	421038	EPA 7471	421081
40248114019	SP4W2S	EPA 7471	421038	EPA 7471	421081
40248114020	SP4W2BS	EPA 7471	421038	EPA 7471	421081
40248114021	SP5NW1S	EPA 7471	421603	EPA 7471	421680
40248114022	SP5NW1BS	FPA 7471	421603	EPA 7471	421680
40248114023	SP5NW2S	FPA 7471	421603	EPA 7471	421680
40248114024	SP5NW2BS	FPA 7471	421603	EPA 7471	421680
40248114025	SP5SW1S	FPA 7471	421603	EPA 7471	421680
40248114026	SP5SW1BS	FPA 7471	421603	EPA 7471	421680
40248114027	SP5SW2S	FPA 7471	421603	EPA 7471	421680
40248114028	SP5SW2BS	FPA 7471	421603	EPA 7471	421680
40248114029	SP5SE1S	FPA 7471	421603	EPA 7471	421680
40248114030	SP5SE1BS	EPA 7471	421603	EPA 7471	421680
40248114031	SP5SE2S	FPA 7471	421603	EPA 7471	421680
40248114032	SP5SE2BS	EPA 7471	421603	EPA 7471	421680
40248114033	SP5SE3S	EPA 7471	421603	EPA 7471	421680
40248114034	SP5SE3BS	EPA 7471	421603	EPA 7471	421680
40248114001	SP1N1S	ASTM D2974-87	420944		
40248114002	SP1N1BS	ASTM D2974-87	420944		
40248114003	SP1N2S	ASTM D2974-87	420944		
40248114004	SP1N2BS	ASTM D2974-87	420944		
40248114005	SP1E1S	ASTM D2974-87	420949		
40248114006	SP1E1BS	ASTM D2974-87	420949		
40248114007	SP1E2S	ASTM D2974-87	420949		
40248114008	SP1E2BS	ASTM D2974-87	420949		
40248114009	SP1W1S	ASTM D2974-87	420949		



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221563 WM MERCURY WASTE

Pace Project No.: 40248114

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248114010	SP1W1BS	ASTM D2974-87	420949		
40248114011	SP1W2S	ASTM D2974-87	420949		
40248114012	SP1W2BS	ASTM D2974-87	420949		
40248114013	SP4N1S	ASTM D2974-87	420949		
40248114014	SP4N1BS	ASTM D2974-87	420949		
40248114015	SP4N2S	ASTM D2974-87	420949		
40248114016	SP4N2BS	ASTM D2974-87	420949		
40248114017	SP4W1S	ASTM D2974-87	420949		
40248114018	SP4W1BS	ASTM D2974-87	420949		
40248114019	SP4W2S	ASTM D2974-87	420949		
40248114020	SP4W2BS	ASTM D2974-87	420949		
40248114021	SP5NW1S	ASTM D2974-87	420949		
40248114022	SP5NW1BS	ASTM D2974-87	420949		
40248114023	SP5NW2S	ASTM D2974-87	420949		
40248114024	SP5NW2BS	ASTM D2974-87	420952		
40248114025	SP5SW1S	ASTM D2974-87	420952		
40248114026	SP5SW1BS	ASTM D2974-87	420952		
40248114027	SP5SW2S	ASTM D2974-87	420952		
40248114028	SP5SW2BS	ASTM D2974-87	420952		
40248114029	SP5SE1S	ASTM D2974-87	420952		
40248114030	SP5SE1BS	ASTM D2974-87	420952		
40248114031	SP5SE2S	ASTM D2974-87	420952		
40248114032	SP5SE2BS	ASTM D2974-87	420952		
40248114033	SP5SE3S	ASTM D2974-87	420952		
40248114034	SP5SE3BS	ASTM D2974-87	420952		

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ddress: 8413 Excelsior Dr #160, M	adison, WI 5371	.7	WI 53182									Con	tainer Pi	reservati	ve Typ	e **		Lat	o Project Manager:
Report To: Luke Specketer (luke.sp	ecketer@tetrate	ech.com)	Email To: ssr	nolko@wi	n.com					U ++ Pres	ervativ	e Types:	(1) nitric	acid, (2)	sulfuric	acid, (3) h	ydroch	loric acid,	, (4) sodium hydroxide, (5) zinc acetate,
opy To: Riley Eklund (riley.eklund(@tetratech.com))	Site Collectio	on Info/Ad	dress: 2121	1 Durand A	venue, L	Jnion		(6) met (C) ami	thanol, moniun	(7) sodiı n hydrox	um bisulf ide, (D) T	ate, (8) so 'SP, (U) Ui	dium th npreser	iosulfate, /ed, (O) O	(9) he ther	kane, (A) a	ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number: 09-4221563			State: WI Co	unty/City:		/e Time Zor	ne Collect	ted: [1		T	4	nalyses				Lat	b Profile/Line: b Sample Receipt Checklist:
hone: 608-346-1677 mail: uke.specketer@tetratech.com	Site/Facility ID #	#: WM M	ercury Waste	, INC.	Complianc	e Monitoria [] No	ng?											Cu: Cu: Co: Bo:	stody Seals Present/Intact Y NNA stody Signatures Present Y N NA llector Signature Present Y N NA ttles Intact Y N NA
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SP1N1S	SL	Grab	7/12/2022	10:30				1		x								Ľ	001
SP1N1BS	SL	Grab	7/12/2022	10:35				1		x									002
P1N2S	SL	Grab	7/12/2022	10:40				1		X									003
P1N2BS	SL	Grab	7/12/2022	10:45				1		x			1					1	004
P1E1S	SL	Grab	7/12/2022	10:55				1		x					_				005
SP1E1BS	SL	Grab	7/12/2022	11:00				1		x									Mb
SP1E2S	SL	Grab	7/12/2022	11:20				1		x									707
SP1E2BS	SL	Grab	7/12/2022	11:25				1		x									608
SP1W1S	SL	Grab	7/12/2022	11:40	1			1		x									009
SP1W1BS	SL	Grab	7/12/2022	11:45				1		x						+			010
ustomer Remarks / Special Condit	ions / Possible H	Jsed: erial Used mple(s) sc	Wet : reened (<50	Blue D 00 cpm):	ry N Y N	one			SHO Lab Sam FE	RT HOL Trackin ples rec DEX	DS PRES g #: ceived vi UPS	ENT (<7 a: Client	2 hour	s): Y	N :e Cou	N/A rier	LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt:oC Cooler 1 Therm Corr. Factor:oC Cooler Corrected Temp:oC		
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ddress: 8413 Excelsior Dr #160, M	ladison, WI 537	17	WI 53182								SAME 7 STOR									
			-							<u> </u>	T		ainer Pi	reserv	ative Ty	/pe **			Labi	roject Manager:
eport To: Luke Specketer (luke.sp	ecketer@tetrat	ech.com)	Email To: ssm	iolko@wn	n.com					** Pre	l servati	ve Types:	(1) nitric	acid, (2) sulfuri	ic acid,	(3) hydr	ochloric	acid, (4) sodium hydroxide, (5) zinc acetate,
opy To: Riley Eklund (riley.eklund)	@tetratech.com	1)	Site Collection Grove, WI 53	n Info/Add 3182	dress: 2121	1 Durand A	venue,	Union		(6) me (C) an	ethanol hmoniu	, (7) sodiu m hydrox	im bisulf ide, (D) T	ate, (8) TSP, (U)	sodium Unprese	thiosul erved, (fate, (9) O) Othe	hexane, r	(A) asc	orbic acid, (B) ammonium sulfate,
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ikland	Eklund Purchase Order # : 957947 DW PWS ID #: DW Location Code: Quote #: DW Location Code: %//wy Turnaround Date Required: Standard Immediately Packed on Ice: [x] Yes [] No Rush: (Expedite Charges Apply) Field Filtered (if applicable): [] Same Day [] Next Day [] 2 Day [] 3 Day [] Ves [x] No								lass	l ID	1								Sam	Regulated Solls YN NA Dles in Holding Time YN NA
ample Disposal: x] Dispose as appropriate	atech.com [x] Yes [] No iley Eklund Purchase Order #: 957947 DW PWS ID #: Quote #: DW Location Code: e): Ruley Turnaround Date Required: Standard Immediately Packed on Ice: [x] Yes [] No [x] Yes [] No ate [] Same Day [] Next Day [] Yes [x] No [] 2 Day [] 3 Day [] 4 Day [] 5 Day Analysis: t in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), id (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)								10	Mei									Resi	dual Chlorine Present YN NA
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Product (P) Soil/Solid (SL) Oil (OI	(Wine (WP)	ng water (vir (AR) Tis		pe:	120	1														
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SP4W1BS	SL	Grab	7/12/2022	14:20			<u> </u>	1	ļ	×	_									Dig
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SP4W2BS	SL	Grab	7/12/2022	14:45				1		x	_									020
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			Radchem sa	mole(s) sc	reened (250)() cnm).	Y P				Sar	nples re	ceive d v	/ia:	_		-			Cooler / Therm Corr. Factor:OC Cooler 1 Corrected Temp:OC
						io epiniji				-	F	EDEX	UPS	Clie	ent Co	ourier	Pace (Courier		Comments:
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Address: 8413 Excelsior Dr #160, M	ladison. WI 537	17	WI 53182									A						EAD	die IOI LAD USE UNLT	
										<u> </u>		Cont	ainer F	reser	vative Ty	ype **			Lab Project Manager:	
eport To: Luke Specketer (luke.sp	ecketer@tetrat	ech.com)	Email To: ssn	nolko@wr	n.com					** Pre	servativ	/e Types:	(1) nitri	ic acid,	(2) sulfu	ric acid,	(3) hydi	 rochloric	ic acid, (4) sodium hydroxide, (5) zinc acetate,	
Copy To: Riley Eklund (riley.eklund	@tetratech.com	1)	Site Collectio	n Info/Ad	dress: 2121	1 Durand A	venue, U	Jnion		(6) me (C) am	thanol, moniu	(7) sodiu n hydrox	ım bisul ide, (D)	lfate, (8 TSP, (L	3) sodium J) Unpres	n thiosul served, (fate, (9) O) Othe	hexane, r	e, (A) ascorbic acid, (B) ammonium sulfate,	
Customer Project Name/Number:			State: WI Co	unty/City:	Union Grov	e Time Zor	ne Collect	ted: [·		Analy	ses				Lab Profile/Line:	
09-4221563]PT []MT	[x]CT []ET														Custody Seals Present/Intact)	(N MA
?hone: 608-346-1677 :mail: 	Site/Facility ID	#: WM M	ercury Waste,	INC.	Complianc [x]Yes	e Monitorir [] No	ng?												Custody Signatures Present S Collector Signature Present S Bottles Intact	ANNA ANNA NNA
ollected By (print): Riley Eklund	Purchase Orde	er # : 95794	47		DW PWS II	D#:		<u> </u>											Correct Bottles Sufficient Volume	YN NA YN NA
Collected By (signature): <i>Riley</i> Sklund	/ (signature): Ridey Turnaround Date Required: Standard Immediately Pa / (signature): Ridey Rush: (Expedite Charges Apply) Field Filtered (if						on Ice:		s (G)	λ'n									Samples Received on Ice VOA - Headspace Acceptable USDA Regulated Soils	YNNA YNNA YNNA
Sample Disposal:	Ignature): %i/key Iurnaround Date Required: standard Immed [x] Ye I Rush: (Expedite Charges Apply) Field Fil ppropriate [] Same Day] Next Day [] Yes								Glas	er (Samples in Holding Tipe Residual Chlorine Present	YNNA YNNA
x] Dispose as appropriate	ropriate [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day								Ъ	N								1	Cl Strips:	
] Archive:	sal: Rush: (Expedite Charges Apply) Field F appropriate []Same Day []Next Day []Ye: []2 Day []3 Day []4 Day []5 Day Analys								(a)	Tota									Sample pH Acceptable	YNNA
] Hold:		a		· · · ·				_	lasti	, z									Sulfide Present	YNNA
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Customer Sample ID	Matrix *	Comp / Grab	Collecte Composit Date	ed (or e Start) Time	Compo Date	site End Time	Res Cl	# of Ctns	Container	Plastic (F									Lab Sample # / Comments:	
SP5NW1S	SL	Grab	7/12/2022	15:05		1		1	Ĭ	x									021	
SP5NW1BS	SL	Grab	7/12/2022	15:10				1		x									022	
SP5NW2S	SL	Grab	7/12/2022	15:30				1		x									123	
SP5NW2BS	SL	Grab	7/12/2022	15:35			11	1		x									024	
SP5SW1S	SL	Grab	7/12/2022	15:55				1		X									675	
SP5SW1BS	SL	Grab	7/12/2022	16:00				1	1	×									026	
SP5SW2S	SL	Grab	7/12/2022	16:10				1		×									(1)7	
SP5SW2BS	SL	Grab	7/12/2022	16:15			1	1		×									()38	
SP5SF1S	SL	Grab	7/12/2022	16:30				1	1	×				÷					679	
SP5SF1RS	SI SI	Grab	7/12/2022	16:35		<u> </u>	+	1		T v									1777	
Customer Remarks / Special Condi	tions / Possible	Hazards:	Type of Ice I	Ised:	.l	J Blue D		lone						FSENT	(<72 bo		V N	N/A	Δ LAB Sample Temperature Info:	
			Packing Mat	erial Used	:		• 7 10				Lab	Trackin	g #:		(3/2 110	, ui s j ,		- N/A	Temp Blank Received: Y Therm ID#:	N NA
			Radchem sa	mple(s) sc	reened (<50)0 cpm):	Ý N	NA			San	nples red EDEX	ceived UPS	via: Cli	ent Co	ourier	Pace	Courier	Cooler 1 Therm Corr. Fact Cooler 1 Corrected Temp:	or:oC oC
Relinquished by/Company (Signat	ure)	Date	e/Time: 13/2,122 11	:00 Am	Received b	y/Company	/: (Signat	ure)		~		Date/T	ime:			MT. Table #	JL LAB	USE ON		
Relinquiched by/Company (Signat	ure)	Date	e/Time:	1005	Received b	y/Company	/: (Signat	ture)	24	\mathcal{D}	0	Date/T		/(7.	25	Acctnu Templa	m: ate:	/	Trip Blank Received: Y N HCL MeOH TSP Ot	NA her
Relinquished by/Company: (Signat	ture)	Date	e/Time:	-	Received b	y/Company	/: (Signat	wrg)	<u> </u>	uy		Date/T	1100 ime:			PM: PM: PB:	/		Non Conformance(s): Page: YES / NO of:	Po.

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Pace Analytical*	CH Submitting a si	IAIN-OF ample via this Conditions	-CUSTODY chain of custody c s found at: https://	onstitutes ac	tical Req knowledgment s.com/hubfs/pa	JUEST DO and acceptanc is-standard-ten	cume e of the P ms.pdf	ent Pace Terms	and			LAB US	SE ONL	Y- Aff	ix Wor	korde N	er/Log ATJL Lo	in Lab og-in I	el Her Numbe	e or List Pace Workorder Number or er Here
ompany: Tetra Tech			Billing Inform	ation: 217	211 Durand	Avenue, U	nion G	rove,												are for LAB LISE ONLY
ddress: 8413 Excelsior Dr #160. N	ladison. WI 537	17	WI 53182						l			P							:AJ 6	
· · · · · · · · · · · · · · · · · · ·			ļ							<u> </u>	<u> </u>	Con	tainer I	Preser	rvative	Type	**		r	Lab Project Manager:
eport To: Luke Specketer (luke.sp	ecketer@tetrat	:ech.com)	Email To: ssm	olko@wn	n.com					** Pr	eservati	ve Types	: (1) nitr	ric acid	, (2) sul	furic a	cid, (3)	hydrod	chloric a	acid, (4) sodium hydroxide, (5) zinc acetate,
opy To: Riley Eklund (riley.eklund)	@tetratech.com	1)	Site Collection Grove, WI 53	n Info/Add 182	dress: 2121	1 Durand A	venue,	, Union		(6) me (C) an	ethanol nmoniu	, (7) sodi m hydro:	um bisu xide, (D)	lfate, () TSP, (8) sodiu U) Unpr	um thie reserve	osulfate ed, (O)	e, (9) h Other	exane,	(A) ascorbic acid, (B) ammonium sulfate,
ustomer Project Name/Number:	····		State: WI Cou	unty/City:	Union Gro	ve Time Zor	ne Colle	cted: [1			r-	Analy	/ses			r	1	Lab Profile/Line:
09-4221563]PT []MT [_ x]CT {]ET				·	4										Custody Seals Present/Intact Y N NA
hone: 608-346-16// nail: .ko sposkotor@totrotoch.com	Site/Facility ID	#: WM M(ercury Waste,	INC.	Compliance [x] Yes	e Monitorir [] No	ıg?													Custody Signatures Presenty N NA Collector Signature Presenty N NA Bottles Intacty N NA
bllected By (print): Riley Eklund	Purchase Orde	er # : 95794	47	<u> </u>	DW PWS II	D #:			1					2 ¹						Correct Bottles Y N NA Sufficient Volume Y N NA
ollected By (signature): <i>Riley</i> Kland	Quote #: Dw Location Code: Turnaround Date Required: Standard Immediately Packed on Ice: [x] Yes] No Rush: (Expedite Charges Apply) Field Filtered (if applicable):								(g) s	Δ'n										VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA
ample Disposal:	ropriate [x] Yes [No Rush: (Expedite Charges Apply) Field Filtered (if applicable): ropriate [] Same Day [] Next Day								Glas	erc										Samples in Holding Time Y N NA Residual Chlorine Present Y N NA
Dispose as appropriate	as appropriate [] 2 Day [] 3 Day [] Yes [] No [] 2 Day [] 3 Day								5	W				1						Cl Strips:
j keturn] Archive:	s appropriate [] Same Day [] Next Day [] Yes [x] No [] 2 Day [] 3 Day								(d)	[ota										Sample pH Acceptable Y N NA
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Sector and Consults ID	1.1.1.1	Comp/	Collecte	d (or	Compc	site End	Res	# of	ner	ic (F										Lab Sample # / Comments:
ustomer sample iD	Watrix *	Grab	Date	Time	Date	Time			Conta	Plast										U
SP5SE2S	SL	Grab	7/12/2022	16:45				1		x										031
SP5SE2BS	SL	Grab	7/12/2022	16:50				1		x										032
SP5SE3S	SL	Grab	7/12/2022	17:05		1		1	1	x										033
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Customer Remarks / Special Condi	tions / Possible	Hazards:	Type of Ice U	lsed:	Wet	Blue D	rγ	None			SH	ORT HO	LDS PR	ESENT	(<72	hours): Y	N	N/A	LAB Sample Temperature Info:
			Packing Mat	erial Used	1:						Lat	Trackir	ng #:							Therm ID#:
										<u></u>										Cooler 1 Temp Upon Receipt:oC
			Radchem sa	mple(s) sc	reened (<5(00 cpm):	YN	NA NA			Sai	npies re EDFX	ceived: 2911	i via: S Ci	ient	Couri	ier P	ace Cr	ourier	Cooler 1 Corrected Temp:OC
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	uiej	7/	13/2022 11	:00 AM		y/company	l' (piBus	aturej		~		Date/1	inne:			Tab	le #:			<u> </u>
Relinquished by/Company (Signat	ture)	Dat/	e/Time:	inx	Received t	y/Compan	y: (Sign	ature)		77		Date/	Time:		~	Acc	tnum:			Trip Blank Received: Y N NA
Fod W	•	7/	14/22		LV1	1 mil	K	1111	27	Pai	ll .	-/14	rh	10	ØŚ	Ten	nplate	:	/	HCL MeOH TSP Other
Relinguished by/Company: (Signat	ture)		e/Time		Received	V/Company	UV v: (Sign		<u>v</u>			Date/	لرحن ا Time	/					/ .	Non Conformance(s): Page:
			- <i>i</i> , inite.			-W combany	1. (981)	(')				Date/				PB:	· ,	/		YES / NO lof:
	DS SL Grab 7/12/2022 17:05 BS SL Grab 7/12/2022 17:10 BS SL Grab 7/12/2022 17:10 Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry Nor Packing Material Used: Radchem sample(s) screened (<500 cpm):																			Page

Pace Analytical*	CH Submitting a s	HAIN-OF ample via this Condition Chain-of-C	-CUSTOD chain of custody of found at: https:// Custody is a LEG	Y Analy constitutes ac /info.pacelab AL DOCUM	rtical Re cknowledgmer s.com/hubfs/p ENT - Compl	quest Do nt and acceptan pas-standard-te lete all releva	CLUME ce of the Pa ms.pdf nt fields	ent ace Terms	and			LAB U	SE ONL'	Y- Affix	k Work	korder/Lc MTJL	ogin La Log-in	bel Her Numbe	e or List Pace Workorder Number or er Here
Company: Tetra Tech			Billing Inform	nation: 21	211 Duran	d Avenue, l	Jnion Gr	rove,				A	LL B	OLD	001	TLINEC) ARi	EAS a	re for LAB USE ONLY
Address: 8413 Excelsior Dr #160, N	1adison, WI 537	'17	WI 53182									Con	tainer l	Preserv	ative	Type **			Lab Project Manager:
Report To: Luke Specketer (luke.sp	becketer@tetra	t ech.co m)	Email To: ssn	nolko@w	m.com					1 ** Pres	ervativ	/e Types	: (1) nitri	ic acid, ((2) sulfu	uric acid, (1	3) hydro	chloric a	acid, (4) sodium hydroxide, (5) zinc acetate,
Copy To: Riley Eklund (riley.eklund	@tetratech.com	n)	Site Collectio Grove, WI 53	on Info/Ad 3182	dress: 212:	11 Durand /	Avenue,	Union		(6) met (C) amr	thanol, moniur	, (7) sodi n hydro;	ium bisu xide, (D)	ilfate, (8) TSP, (U)	8) sodiui) Unpre	m thiosulfः eserved, (C	ate, (9))) Other	hexane, ((A) ascorbic acid, (B) ammonium sulfate,
Customer Project Name/Number: 209-4221563			State: WI Co]PT []MT	unty/City: [x]CT [Union Gro	ove Time Zo	ne Colle	cted: [1		[]	<u> </u>	Analys	ses		T		Lab Profile/Line: Lab Sample Receipt Checklist:
Phone: 608-346-1677 Email: luke.specketer@tetratech.com	Site/Facility ID	#: WM M	ercury Waste	, INC.	- Complian [x]Yes	ice Monitori [] No	ing?												Custody Seals Fresent/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA
Collected By (print): Riley Eklund	Purchase Orde Quote #:	er # : 9579	47		DW PWS DW Locat	ID #: tion Code:			1										Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Unit V N NA
Collected By (signature): <i>Riley</i> Eklund	Turnaround Date Required: Standard Immediately Packed on Ice: [x] Yes] No Rush: (Expedite Charges Apply) Field Filtered (if applicable):							2 (G)	≩									VOA - Headspace Accept the Y N NA USDA Regulated Solas Y N NA	
Sample Disposal: (x) Dispose as appropriate () Return () Archive:	Image: Second							(P) or Gla	^r otal Merc									samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Sample pH Acceptable Y N NA	
[] Hold: * Matrix Codes (Insert in Matrix bo	x below): Drinki	/ [] 3 Day Analysis:							e: Plastic	50 ML									Sulfide Present Y N NA Lead Acetate Strips:
Product (P), Soil/Solid (SL), Oil (O	L), Wipe (WP), A	Air (AR), Tis	sue (TS), Bioa	ssay (B), V	/apor (V), C	Other (OT)	D-c	<u> </u>	Å Å	P) 2	Į								LAB USE ONLY: Lab Sample # / Comments:
Customer Sample ID	Matrix *	Grab	Composit Date	e Start) Time	Comp Date	osite End	CI	# of Ctns	ontainer	lastic (
Rinse #1	ww	Grab	7/12/2022	11:30	1	-	+	1	\vdash	X		┼──┤					+	+	125
Rinse #2	ww	Grab	7/12/2022	13:00		1	1	<u> </u>	+	x	<u>├</u> ``	\vdash	└── ┃		\rightarrow		+	1-1	121
Rinse #3	ww	Grab	7/12/2022	15:40	1	1	1	1	1	x		┼──┤			+		+		127
Rinse #4	ww	Grab	7/12/2022	17:20			<u> </u>	1	<u> </u>	×					_		+		038
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							<u> </u>	<u> </u>	<u> </u>								\pm		
Customer Remarks / Special Cond	itions / Possible	Hazards:	Type of Ice L	Jsed:	Wet	Blue ()ry M	None			SHO	IRT HOI	LDS PRE	ESENT ((< 7 2 h	ours) :	Y N	N/A	LAB Sample Temperature Info:
			Packing Mat	erial Used	1:						Lab	Trackin	ng #:						Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt:oC
			Radchem sa	mple(s) sc	reened (<5	500 cpm):	Y N	NA			Sam FE	nples re EDEX	ceived UPS	via: Clie	ent C	Courier 1	Pace Co	ourier	Cooler 1 Therm Corr. Factor:oC Cooler 1 Corrected Temp:oC mments:
Relinquished by/Company (Signat	ture)	Date	e/Time: 13/2022_11	:wAN	Received	by/Compan	y: (Signa	ature)				Date/1	Time:			MTJL Table #:	. LAB U	SE ONL	Ä
Mos Ellen		Dat	e/Time:	1000	Received	by/Compan	y: (Şigna	ature)	Ď) [Date/1	Time:	1	x	Acctnun	า:		Trip Blank Received: Y N NA
Relinquished by/Company (Signat	ture)	7	114/22	jus N	Bun	ank	,W	le	10	RA		7/14	1/22	r 10	6	Templat Prelogin	e: ∶∡		HCL MeOH TSP Other

DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay



Qualtrax Document ID: 41307

Pace Analytical Services, LLC

DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form Revision: 3 | Effective Date: | Issued by: Green Bay

- C					•.					Lab	Lot# c	of pH p	paper	101	33	///	La	b Std	#ID of	prese	rvatio	n (if pł	1 adju	sted):					comp	leted	<u>EU</u>	Time:	
				Gl	ass]				Plas	tic				Vi	als			[Ji	ars		Ge	nera	1	* (>6mm) *	5	Act oH ≥9	5	8	djusted	Volume
ice b #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	voA Vials	H2SO4 pH	NaOH+Zn	HOHORN	HNO3 pH	pH after ac	(mL)
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4S	125	mL a	imbei	glas	s H2	SO4		BF	P3N	250	mL p	lastic	HNO	3			99H	40 п	nL cle	ar via	I HCl	-		W	PFU	4 oz	plasi	tic jar	unpre	es			1
	120	m∟a mLa	imbei	gias diae	s unp	ores			-38	250	mL p	astic	H2S	04			59M	40 n	nL cle	ar via	al Met	Л			251	120	mL p	lastic	na i	niosu	Ifate		

Qualtrax Document ID: 41307

Pace Analytical Services, LLC

DC#_Title: ENV-FRM-GBAY-0014 v02_SCUR Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Condition U	pon Receipt Form (SCUR)
Client Name: Tetra Tet	h Project #: WO#: 40248114
Client Pace Other:	
Tracking #: 2754 9260 5817	40248114
Custody Seal on Cooler/Box Present: yes X no Seals int	act: 🔲 yes 🔲 no
Custody Seal on Samples Present: [] yes no Seals int	act: 🔲 yes 🔲 no
Packing Material: 🕅 Bubble Wrap 🖉 Bubble Bags 🔲 N	lone 🚺 Other
Thermometer Used <u>SR - Type of Ice</u>	The Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 5 /Corr: 0	7/1/22 $7/2$
Temp Blank Present: 🕅 yes 🔲 no Biologic	al Tissue is Frozen: yes no Date: //nitials:
Temp should be above freezing to 6° C. Biota Samples may be received at $\leq 0^{\circ}$ C if shipped on Dry Ice.	Labeled By Initials:
Chain of Custody Present:	N/A 1.
Chain of Custody Filled Out:	N/A 2. Patt 7/14/22
Chain of Custody Relinquished:	
Sampler Name & Signature on COC:	N/A 4.
Samples Arrived within Hold Time:	5.
- VOA Samples frozen upon receipt	Date/Time:
Short Hold Time Analysis (<72hr):	6.
Rush Turn Around Time Requested: Ves	7.
Sufficient Volume:	8.
For Analysis: 🕅 Yes 🛛 No 🛛 MS/MSD: 🗆 Yes 🕼 No 🗆	N/A
Correct Containers Used: DiYes DNo	9.
-Pace Containers Used:	N/A
-Pace IR Containers Used:	N/A
Containers Intact:	10.
Filtered volume received for Dissolved tests	N/A 11.
Sample Labels match COC:	N/A 12.
-Includes date/time/ID/Analysis Matrix:	
Trip Blank Present: 🛛 Yes 🗅 No 🛱	N/A 13.
Trip Blank Custody Seals Present	RUA
Pace Trip Blank Lot # (if purchased):	
Client Notification/ Resolution: Person Contacted: Da Comments/ Resolution:	If checked, see attached form for additional comments

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page 3 of 3

Qualtrax Document ID: 41292

Pace Analytical Services, LLC



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

August 22, 2022

Luke Specketer TETRATECH - Madison 8413 Excelsior Drive Madison, WI 53717

RE: Project: 209-4221563 WM MERCURY SOL. Pace Project No.: 40250049

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milery

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures





Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



SAMPLE SUMMARY

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40250049001	4N1	Solid	08/17/22 11:20	08/18/22 09:25
40250049002	4N1B	Solid	08/17/22 11:30	08/18/22 09:25



SAMPLE ANALYTE COUNT

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40250049001	4N1	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1
40250049002	4N1B	EPA 7471	AJT	1
		ASTM D2974-87	PDV	1

PASI-G = Pace Analytical Services - Green Bay



SUMMARY OF DETECTION

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40250049001	4N1					
EPA 7471 ASTM D2974-87	Mercury Percent Moisture	0.038J 15.2	mg/kg %	0.041 0.10	08/22/22 09:47 08/19/22 11:02	
40250049002 EPA 7471	4N1B Mercurv	11.9	ma/ka	0.37	08/22/22 10:17	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	08/19/22 11:02	



Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Sample: 4N1	Lab ID:	40250049001	Collected	: 08/17/22	2 11:20	Received: 08/	18/22 09:25 Ma	atrix: Solid	
Results reported on a "dry weight	t" basis and are	adjusted for	r percent mo	isture, san	nple s	ize and any diluti	ons.		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Pace Anal	Method: EPA ytical Services	7471 Prepara s - Green Bay	ation Metho	od: EP	A 7471			
Mercury	0.038J	mg/kg	0.041	0.012	1	08/22/22 06:26	08/22/22 09:47	7439-97-6	
Percent Moisture	Analytical Pace Anal	Method: ASTI ytical Services	M D2974-87 s - Green Bay	,					
Percent Moisture	15.2	%	0.10	0.10	1		08/19/22 11:02		



Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Sample: 4N1B	Lab ID: 4	40250049002	Collected	08/17/22	11:30	Received: 08/	18/22 09:25 Ma	atrix: Solid			
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.											
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
7471 Mercury	Analytical N	/lethod: EPA 7	471 Prepara	ation Metho	od: EPA	7471					
	Pace Analytical Services - Green Bay										
Mercury	11.9	mg/kg	0.37	0.11	10	08/22/22 06:26	08/22/22 10:17	7439-97-6			
Percent Moisture	Analytical Method: ASTM D2974-87										
	Pace Analytical Services - Green Bay										
Percent Moisture	12.0	%	0.10	0.10	1		08/19/22 11:02				



Project: 209-4221563	WM MERCURY SOL.													
Pace Project No.: 40250049														
QC Batch: 423909			Analysis Method:			EPA 7471								
QC Batch Method: EPA 7471			Analysis Description:		7471 Mercury									
		Labo	ratory:	I	Pace Analyt	ical Servic	es - Green	Bay						
Associated Lab Samples: 4025	0049001, 4025004900)2												
METHOD BLANK: 2441364			Matrix: Solid											
Associated Lab Samples: 4025	0049001, 4025004900)2												
		Blar	nk	Reporting										
Parameter	Units	Res	Result		Analyzed		Qualifiers	3						
Mercury	mg/kg		<0.010 0.0		08/22/22 09:42									
LABORATORY CONTROL SAMPI	E: 2441365													
		Spike	LC	S	LCS	% R	ec							
Parameter	Units	Conc.	Res	sult	% Rec	Limi	ts (Qualifiers						
Mercury	mg/kg	0.8	3	0.83	99	9 8	85-115		_					
MATRIX SPIKE & MATRIX SPIKE	DUPLICATE: 2441	366		2441367	,									
	10050010001	MS	MSD					04 F						
Parameter	40250049001	Spike	Spike Сорс	MS	MSD	MS % Roc	MSD % Roc	% Rec	חסס	Max	Qual			
			Conc.	Result	Result	70 Rec	% KeC			KPD	Qual			
Mercury r	ng/kg 0.038J	0.97	0.98	1.0	1.0	100	99	85-115	0	20				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.


QUALITY CONTROL DATA

Project: Pace Project No.:	209-4221563 WM 40250049	MERCURY SOL.								
QC Batch:	423914		Analysis Meth	od:	ASTM D2974	-87				
QC Batch Method:	ASTM D2974-87		Analysis Desc Laboratory:	cription:	Dry Weight/Pe Pace Analytic	ercent N al Servi	/loisture ces - Gre	en Ba	у	
Associated Lab San	nples: 402500490	001, 40250049002								
SAMPLE DUPLICA	TE: 2441408									
			40250050012	Dup			Max			
Paran	neter	Units	Result	Result	RPD		RPD		Qualifiers	
Percent Moisture		%	17.9	1	7.4	3		10		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 209-4221563 WM MERCURY SOL.

Pace Project No.: 40250049

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250049001 40250049002	4N1 4N1B	EPA 7471 EPA 7471	423909 423909	EPA 7471 EPA 7471	424010 424010
40250049001 40250049002	4N1 4N1B	ASTM D2974-87 ASTM D2974-87	423914 423914		

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY Analytical Request Document Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields												LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here													
Company: Tetra Tech			Billing Inform	nation: 84	13 Excelsior	Drive, Suite	e 160,					ŀ	ALL E	3010	οι	ITLII	NED	ARE	AS a	re for LAB USE ONLY					
Address: 8413 Excelsior Dr, Suite 1	60, Madison, W	/ 53717	Madison, Wi	auison, wi 53/1/									ntainer	Prese	rvativ	е Туре	**			Lab Project Manager:					
Report To: Luke Specketer (luke.sp	ecketer@tetrat	tech.com)	Email To: Lul	ke Specke	U ** Pre	ervativ	e Types	s: (1) ni	tric acio	l, (2) su	Ifuric a	icid, (3)	hydrod	chloric a	cid, (4) sodium hydroxide, (5) zinc acetate,										
Copy To: Riley Eklund (riley.eklund	@tetratech.cor	m)	Site Collectio Grove, WI 5	on Info/Ad 3182	dress: 2121	1 Durand A	venue,	Union		(6) me (C) am	thanol, moniur	(7) sodi n hydro	ium bis xide, ([ulfate, 0) TSP, ((8) sodi (U) Unp	ium thi preserv	osulfat ed, (O)	e, (9) h Other _	exane, (Iscorbic acid, (B) ammonium sulfate,					
Customer Project Name/Number: 209-4221563			State: WI Co]PT []MT	unty/City:	Union Grov						Anal	yses					Lab Profile/Line: Lab Sample Receipt Checklist: Custody Seals Present/Intact X N AD								
Phone: 608-346-1677 Email:	Site/Facility ID	#: WM M	ercury Waste	., INC.	Compliance [x] Yes	e Monitorir [] No	ng?													Custody Signatures Present Y NA Collector Signature Present N NA					
luke.specketer@tetratech.com Collected By (print): Riley Eklund	Purchase Orde	er # :			DW PWS II) #: on Code:											Bottles Intact Correct Bottles Sufficient Volume Y N NA Y N NA								
Collected By (signature): <i>Riley</i> Ekland	Turnaround Da	ate Require	ed: 2 Day	<u></u>	Immediate	ss (G)	лл										Samples Received on TCA Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA								
Sample Disposal: [x] Dispose as appropriate [] Return [] Archive:	Rush: (Expedit [] Same D [X] 2 Day [] 4 Day ¦	te Charges Jay [] No [] 3 Day [] 5 Day	Apply) ext Day /		Field Filter [] Yes Analysis: _	ed (if applic [x] No	able):		tic (P) or Gla:	- Total Merc										Samples in Holding Time Y N NA Residual Chlobing Present Y N NA Cl Strips: Sample pr Acheptania Y N NA pH Stri					
* Matrix Codes (Insert in Matrix bo Product (P), Soil/Solid (SL), Oil (Ol	Lx below): Drinki L), Wipe (WP), A	ng Water (Air (AR), Tis	DW), Ground	Water (G Issav (B), \	W), Wastew /apor (V), Of	ater (WW),			pe: Plas	120 ML										Lead Acetetto Strips:					
Customer Sample ID	Matrix *	Comp / Grab	Collecte Composit Date	ed (or e Start) Time	Compo Date	site End Time	Res Cl	# of Ctns	Container Ty	Plastic (P)										Lab Sample # / Comments:					
4N1	SL	Grab	8/17/2022	11:20 -					<u> </u>	×			·							001					
4N1B	SL	Grab	8/17/2022	11:30	<u> </u>			1	<u> </u>	x										002					
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		<u> </u>							┼──																
_ `				CONTRACTOR DATABASE																					
Customer Remarks / Special Condi	tions / Possible	Hazards:	Type of Ice L Packing Mat	Jsed: :erial Used	Wet	Blue Di	γ <u></u>	lone			SHO Lab	RT HOI	LDS PF	ESENT	(<72	hours	۲		N/A	LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#:					
			Radchem sa	mple (s) sc	reened (<50	0 cpm):	Y N	NA	· · ·		Sam FE	ples re DEX	ceiveo UPS	l via: 5 Cl	ient	Couri	er Pa	ace Co	urier	Cooler 1 Temp Upon Receipt:oC Cooler 1 Therm Corr. factor:oC Cooler 1 Corrected Temp:oC Comments:					
Relinquished by/Company: (Signati	Date 8	Time	, 4:42n	Received by	//Company			Date/Time: Date/Time: SN8/22_0925					MTJL L le #:	AB US	E ONLY	0/									
Relinquished by/Company: (Signat	Date 8	:/Time: 18/22 ()925	Received by	Company	1							tnum: nplate: ogin:			Trip Blenk Received: Y N NA HCL MeOH TSP Other									
Relinquished by/Company: (Signat	Date	:/Time:		Received by	//Company	: (Signa			Date/Time:				PM: PB:				Vofi Conformance(s): Page: YES / NO of: Page								

Client Name:	Testratech	
		1

Sample Preservation Receipt Form Project # <u>U0250049</u>

.

Pace Analytical Services, LLC 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Date/

Initial when

All containers needing preservation have been checked and noted below: □Yes □No W/A

										Lab	Lot# c	of pH p	baper:			•	La	b Std a	#ID of	prese	ervatio	n (if pl	H adju	sted):					comp	leted:		l ime:	
Pace	1U	10	1H	4S	ass 14	5U	2S	3U	10	30	Plast	tic Ne	35	9A	9T	Via N6	als H6	M6	0D	FU [J J	ars D4	FU	5T 0	enera	1	Vials (>6mm) *	O4 pH ≤2	H+Zn Act pH ≥9	H pH ≥12	03 pH ≤2	ifter adjusted	Volume (mL)
Lab #	AG	BG	AG	AG	AG	AG	AG	BG	ВР	BP	BP	BP	BP	5	DG	5	5	5	5	9	ğ	Ň	ΔÞ	SP	ZPI	U U	VOA	H2S	NaO	NaO	ONH	pH a	
001																																	2.5 / 5 / 10
002																							1		s (gala)								2.5/5/10
003																	1		Ι			Τ											2.5/5/10
004								212-225 1-3125												nde Frederik 18. de ekse 12. de ekse		20.0							1.000				2.5/5/10
005																					1	1	1										2.5/5/10
006					10.10				13.68				1.4						1300					sa order					44	1.24			2.5/5/10
007							\square												1								<u>a didaa ah</u>						2.5/5/10
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Exce	otions	to pro	eserva	ation o	check:	VOA	., Coli	form,	TOC,	TOX,	тон,	0&G,	WID	RO, P	henol	ics, O	ther:			_Hea	dspac	e in V	OA Vi	als (>6	Smm) :	⊡Yes	s⊡No	×N/A	*If ye	s look	in head	Ispace	column
AG1U	1 lite	er am	iber g	lass				BF	P1U	1 lit	er pla	stic u	npres				39A	40 n	nL cle	ear as	scorbi	С		J	GFU	4 oz	amb	er jar	unpre	es			
BG1U	1 lite	er cle	ar gla	ass				BF	23U	250	mL p	lastic	unpr	es			G9T	40 n	nL arr	ber l	Na Th	nio		J	39U	9 oz	amb	er jar	unpre	es			
	1 III 125	eram mla	iber g imbei	jiass r dias	HUL s H29	504			23R	250	mL p	lastic	NaO HNO	H IA			390 391	40 n	nL Cle	ear via	ai unp ai HC	ores			GFU PFII	4 OZ	ciea nias	r jar u fic iar	inpres unpres	; 29			
AG4U	120	mL a	imbei	r glas	s unc	ores		BF	235	250	mLp	lastic	H2S	04			59M	40 n	nL cle	ar via	al Me	ОН			P5T	120	mL c	plastic	Na T	hiosu	fate	<u> </u>	1
AG5U	100	mL a	mbe	r glas	s unp	ores		Ē		1-00	P			- •		v	39D	40 n	nL cle	ear via	al DI				PLC	ziplo	oc ba	g					
AG2S	500	mL a	mbei	r glas	s H2	SO4																		1_ (GN								
BG3U	250	mL c	lear g	glass	unpr	es																											—

F-GB-C-046-Rev.03 (11Feb2020) Sample Preservation Receipt Form

Page 1 of age 13 of 14

Client Nan Courier: C C Tracking #: C Custody Seal Custody Seal Packing Mate	Arace Analytical ellevue Street, Green Bay, WI 54302 Sample C Sample C S Logistics & Fed Ex Speede ient Pace Other: 912 8838 6696 on Cooler/Box Present: System Samples Present: Stress V		NV-FF	Docu RM-G	Receipt Form (S Project #:	Pace Gro CUR)	Author: een Bay Quality Office
Client Nan Courier: C C Tracking #: C Custody Seal Custody Seal Custody Seal Packing Mate	Sample C Sample C S Logistics X Fed Ex Speede S Logistics X Fed Ex Speede S Logistics X Fed Ex Speede Other: 912 8838 6696 on Cooler/Box Present: Styles X On Samples Present: Styles X		INV-FR	RM-G Upor □ w	BAY-0014-Rev.00 Receipt Form (S Project #:	Pace Gro CUR)	een Bay Quality Office
Client Nan Courier: C C C Tracking #: C Custody Seal Custody Seal Packing Mate	Sample C ne: <u>tatech</u> S Logistics & Fed Ex Speede ient Pace Other: 912 8838 6696 on Cooler/Box Present: Syss & on Samples Present: Styles &		ion l	Upor	n Receipt Form (S Project #:	CUR)	10250010
Client Nan Courier: C C C Custody Seal Custody Seal Custody Seal	ne: $tattech$ S Logistics h Fed Ex \Box Speede ient \Box Pace Other: 912 8838 6696 on Cooler/Box Present: \Box yes h		JPS		Project #:	0#:4	10250010
Courier: C C C Tracking #: C Custody Seal Custody Seal Custody Seal	S Logistics \nearrow Fed Ex \Box Speede ient \Box Pace Other: 91288386696 on Cooler/Box Present: \Box yes \checkmark		JPS	Γw			
Courier: [] C [] Ci Tracking #:] Custody Seal Custody Seal Packing Mate	ient Pace Other: <u>91288386696</u> on Cooler/Box Present: Uyes No		JPS		-14	• • • •	10230073
Tracking #: Custody Seal Custody Seal Packing Mate	912 8838 6696 on Cooler/Box Present: □ yes ♪	.					
Custody Seal Custody Seal Packing Mater	on Cooler/Box Present: 🔲 yes 🕅	. .			- 402	50049	
Custody Seal	on Samples Present: El ves N	K no S	Seals i	intact:	🗖 yes 🗖 no		······
Packing Mate		no S	Seals i	intact:	🗋 yes 🔲 no		
acking mate	rial: 🔲 Bubble Wrap 🔲 Bubb	le Bags	5 00	None	Other		
Thermometer	Used <u>SR-16</u>	Type of	f Ice:	Wet	Blue Dry None	Samples or	n ice, cooling process has begun Person examining contents:
Cooler Tempe	rature Uncorr: 5 /Corr: \	<u>ــــــــــــــــــــــــــــــــــــ</u>					Slight 101
Temp Blank P	resent: 🏹 yes 🗖 no	E	Biolog	jical I	issue is Frozen: 1 ye	s j no	Date:()//()/()////Initials:
Temp should be Biota Samples n	above freezing to 6°C. nay be received at ≤ 0°C if shipped on Dr	y Ice.					Labeled By Initials: PDV
Chain of Custo	dy Present:	XYes [□No	□n/A	1		
Chain of Custo	dy Filled Out:	XiYes [□No		2.		
Chain of Custo	dy Relinquished:	Yes [□No	□n/a	3.		·
Sampler Name	& Signature on COC:	Yes [□No	□n/a	4.		·
Samples Arrive	ed within Hold Time:	XYes [□No	:	5.		
- VOA S	Samples frozen upon receipt	□Yes [□ No		Date/Time:		
Short Hold Ti	me Analysis (<72hr):	□Yes	No		6.	· · · · · · · · · · · · · · · · · · ·	
Rush Turn Ar	ound Time Requested: 8/18/20	(Ye)	× No	-	7.		
Sufficient Volu	me:				8.		
Fc	r Analysis: Xxes □No MS/MSD	: 🗆 Yes 🔰	KIN0	□N/A			·
Correct Contai	ners Used:	XiYes (□No		9.		
-Pace Cont	ainers Used:	🕅 Yes I	□No	□n/A			
-Pace IR C	ontainers Used:	□Yes [□No				
Containers Int	act:	XYes [□No		10.		
Filtered volum	e received for Dissolved tests	□Yes [□No	XN/A	11.		
Sample Labels	s match COC:	Yes I	□No	□n/A	12.		
-Includes d	ate/time/ID/Analysis Matrix:	5					
Trip Blank Pre	sent:	□Yes	□No	XN/A	13.		
Trip Blank Cus	tody Seals Present	□Yes	□No	KN/A			
Pace Trip Blar	k Lot # (if purchased):						· · · · · · · · · · · · · · · · · · ·
Client Notifica	ation/ Resolution:			Dato	lf checke Time:	ed, see attac	ned form for additional comments
Person Comments/ I	Contacted:			Date/			
Commonto/ 1					······································		

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page_2_ of _2_ Page 14 of 14