

ADVANCED MATERIALS 20 Peabody Street Buffalo, NY 14210 www.honeywell.com

Honeywell

Buffalo Research Laboratory (BRL) 20 Peabody Street Buffalo, NY 14210

Site Management Plan

Periodic Review Report

NYSDEC Site Number: 915002

EPA ID: NYD0006323215

January 27, 2023

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Concrete Sidewalk Replacement and Stormwater Grading Project

Certification of Engineering Controls and Institutional Controls

The BRL Site's Engineering Controls (ECs) consist of:

- Cover system (existing buildings and pavement) is maintained in good order
- Grass / gravel cover is maintained in good order
- Groundwater monitoring is performed annually
- Excavation work plan is followed for any applicable excavation •

BRL's Institutional Controls (ICs) serve to implement maintain and monitor the ECs, prevent future exposure to remaining contamination and limit the use and development of the Site to industrial use only.

Certification Statement

"For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional controls required by the remedial program was performed under my direction
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department
- Nothing has occurred that would impair the ability of the control to protect the public health and environment
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control
- Access to the Site will continue to be provided to the Department to evaluate the remedy including access to evaluate the continued maintenance of this control
- Use of the Site is compliant with the environmental easement
- The engineering control systems are performing as designed and are effective
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program
- The information presented in this report is accurate and complete

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Michelle Mattice, of 20 Peabody Street, Buffalo, NY 14210, am certifying as Owner's Designated Site Representative for the Site."

Signature: Michelle Mattice Date: 1/31/23

Michelle Mattice, Site Leader

Results of the Annual Site Groundcover Inspection

The annual site groundcover inspection was conducted on May 17, 2022 and is attached in Appendix A. Several areas of concern were identified during the groundcover inspection. In general, the groundcover condition was good. There were several areas containing wheel ruts and grass damage due to winter weather and plowing operations, see attached inspection, location map, and photos in Appendix A. An e-mail work order was sent to site operations to reseed all areas of damaged grass cover. The reseeding was completed by Occhino Corporation, the Honeywell landscaping vendor approximately two weeks later.

Results of Annual Groundwater Monitoring

The annual groundwater monitoring was conducted by Parsons on June 14, 2022 and is attached in Appendix B. The report is dated July 29th, 2022. The conclusions recommend that the annual groundwater monitoring should continue to be conducted, per the site management plan. The detected groundwater contaminant concentrations remain consistent with the historical data.

Annual Site Evaluation

The annual site-wide inspection was conducted on May 17, 2021 and is attached in Appendix C. The institutional and Engineering Controls described in the Site Management Plan are in place with no significant exceptions at the Site. The required reporting has been conducted per the Site Management Plan in 2022 and site records are up to date.

Site Management Report – Excavation Work Documentation

In calendar year 2022, one notification of excavation work was submitted to NYSDEC.

1. On September 15, 2022 – Honeywell provided a Notice of Excavation for a sidewalk replacement and stormwater grading project. The work was conducted in early October 2022 by Occhino Corporation. The excavated soil and stone was stored on plastic sheeting and protected from the elements until sampling and disposal was arranged. Approximately 101 tons of stone and soil were removed from the sidewalk replacement and stormwater grading project. The concrete was replaced, the soil was hydroseeded and some new grass growth was observed in the disturbed areas. The soil was sampled prior to disposal in January 2023. The soil was sent for disposal to Waste Management of New York in Chaffee, NY. Correspondence, photos, disposal manifests, and analytical documents are included in Appendix D. Appendix A – Annual Groundcover Site Inspection Documentation

Cover Inspection Form (Quarterly/Annual)

Honeywell, Inc. Buffalo Research Laboratory Buffalo, New York

SECTION I. GENERAL INFORMATION

Inspector Name and Title: <u>MATE Kande</u> Names of Others Present During Inspection:	, HSE Managen
Date of Inspection:	Time of Inspection:
Weather: SSOF, windy, faithy sunny	

SECTION II. INSPECTION RESULTS

Walk through the entire Site and answer the following questions.

1. Are there any locations where work is being performed in accordance with the Site's Excavation Work Plan?

Yes No

If you answered "Yes," attach to this inspection form a brief description of the location, type of work, start date, and expected completion date for the work.

- 2. For grass-covered areas, did you observe any locations with damaged or missing grass cover, not within a work zone where work is currently being performed in accordance with the Site's Excavation Work Plan, which cause direct exposure of surface soil?
 - Yes No
- 3. Did you observe any locations of exposed soil (such as due to vehicle traffic, erosion, or runoff) not within a work zone where work is currently being performed in accordance with the Site's Excavation Work Plan?



4. Did you observe any areas of cracked, broken, or otherwise damaged or missing asphalt or concrete not within a work zone where work is currently being performed in accordance with the Site's Excavation Work Plan, which cause direct exposure of surface soil?

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5. Did you observe any gravel-covered areas where the gravel cover has been damaged or removed not within a work zone where work is currently being performed in accordance with the Site's Excavation Work, which cause direct exposure of surface soil?



SECTION III. **IDENTIFICATION OF LOCATIONS REQUIRING CONTINGENCY ACTION**

If you answered "Yes" to any of Questions 2 through 5 in Section II, complete the following (place a check next to each item to verify completion):

- - 1. Attach a detailed description of the area(s) for which you answered "Yes" in Section II. Include photographs as appropriate.
 - 2. Identify on an attached Site Plan the approximate location of the area(s) for which you answered "Yes" in Section II.
 - 3. Immediately notify and provide a copy of this form to the HSE Manager or designee so that corrective action can be implemented in accordance with the Site Monitoring and Cover Repair Plans (Sections 4.0 and 7.0 of the Site Management Plan). Obtain HSE Manager or designee signature below.

SECTION IV. SIGNATURES Required for each inspection:

________Inspector

5/17/22

If required by Section III:

Mdfl/ HSE Manager

5/12/22 Date

or

HSE Manager Designee

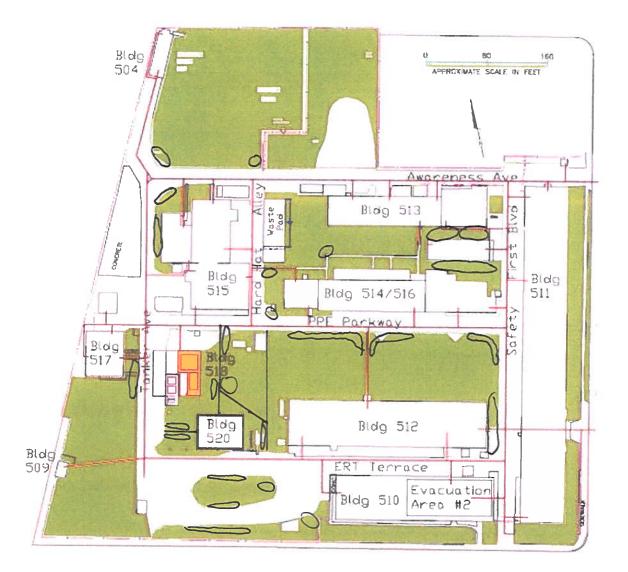
Date

Attachments (List): Photo graphs T Memu Site plan ul soul location

Filing Requirements: Original to Inspection Form file Copy to HSE Manager or designee Site Plan

S/17/22 Annual Cour Inspection

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ADVANCED MATERIALS 20 Peabody Street Buffalo, NY 14210 www.honeywell.com

5/17/2022

Site Management Plan

NYSDEC Site Number: 915002

EPA ID: NYD0006323215

Groundcover Evaluation – Damaged Grass Cover

During the May 17, 2022, annual groundcover evaluation, several areas of damaged grass were observed along the roadways at the site. The attached photos and site map display areas need repair and reseeding. Many of the areas to be repaired are rutted by trucks or may have been damaged during snow removal efforts over the winter.

As a corrective action, a work order was entered with site operations to provide soil and reseeding in identified areas to improve the ground cover.

Best Regards,

Matt Kandefer

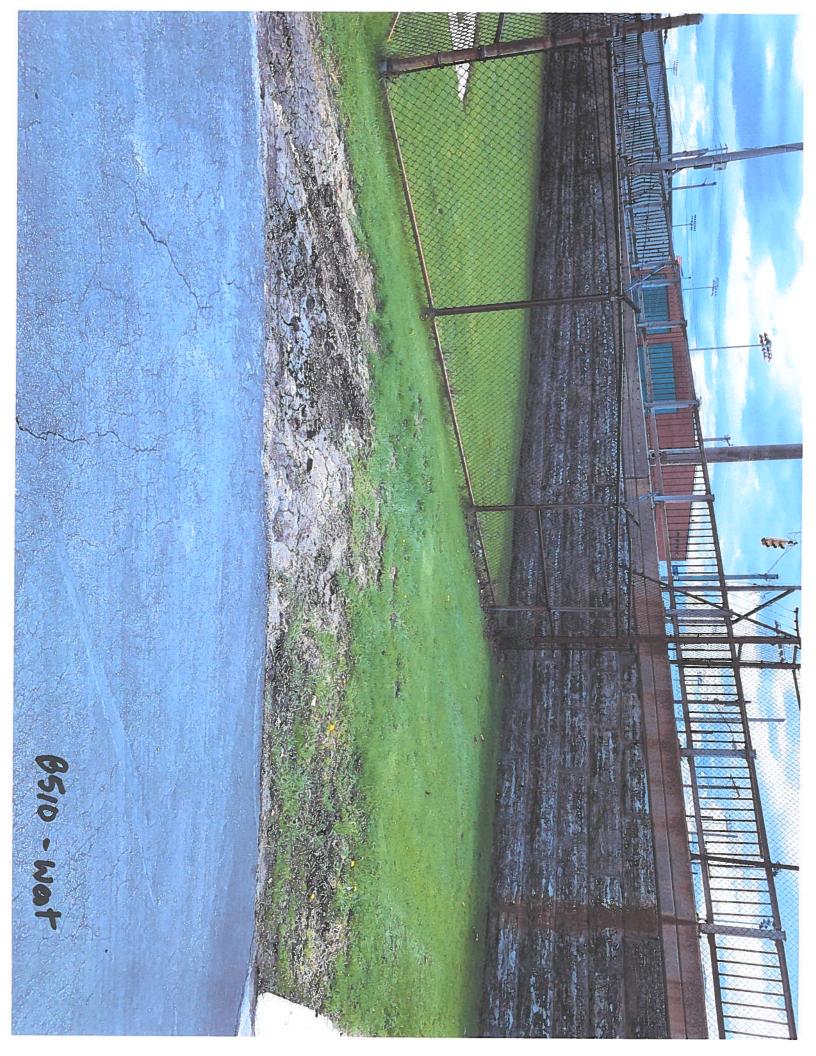
Attachment(s): Photos

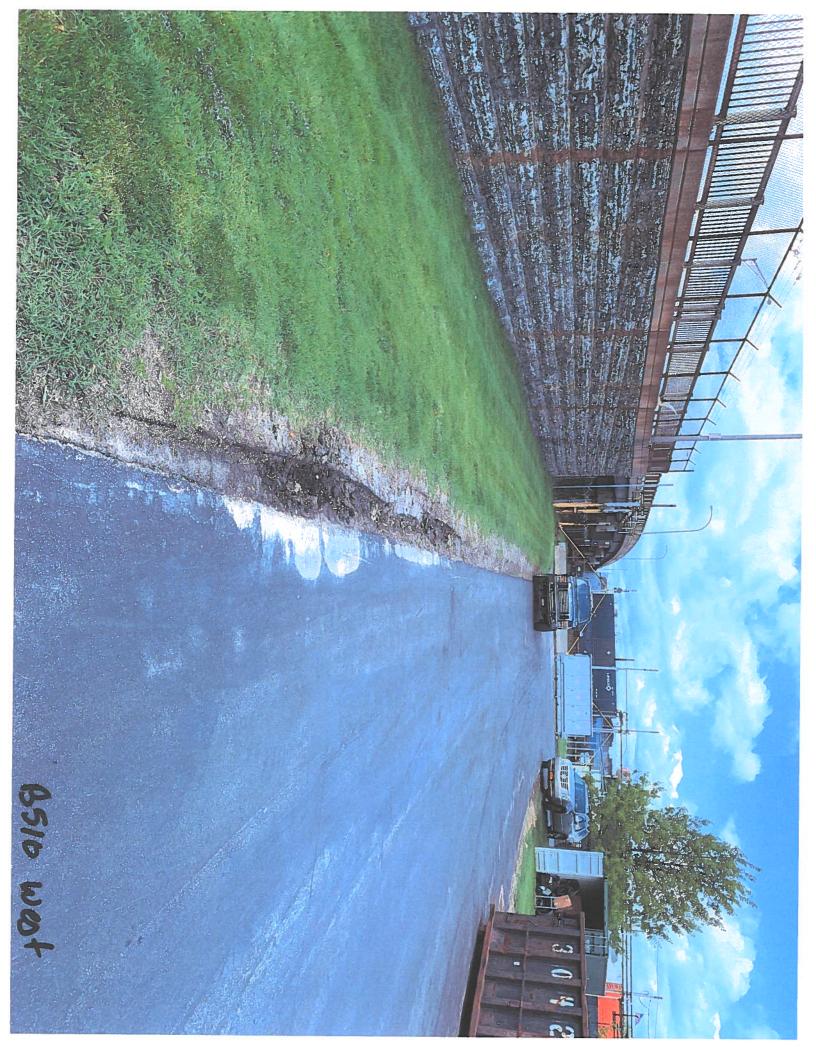










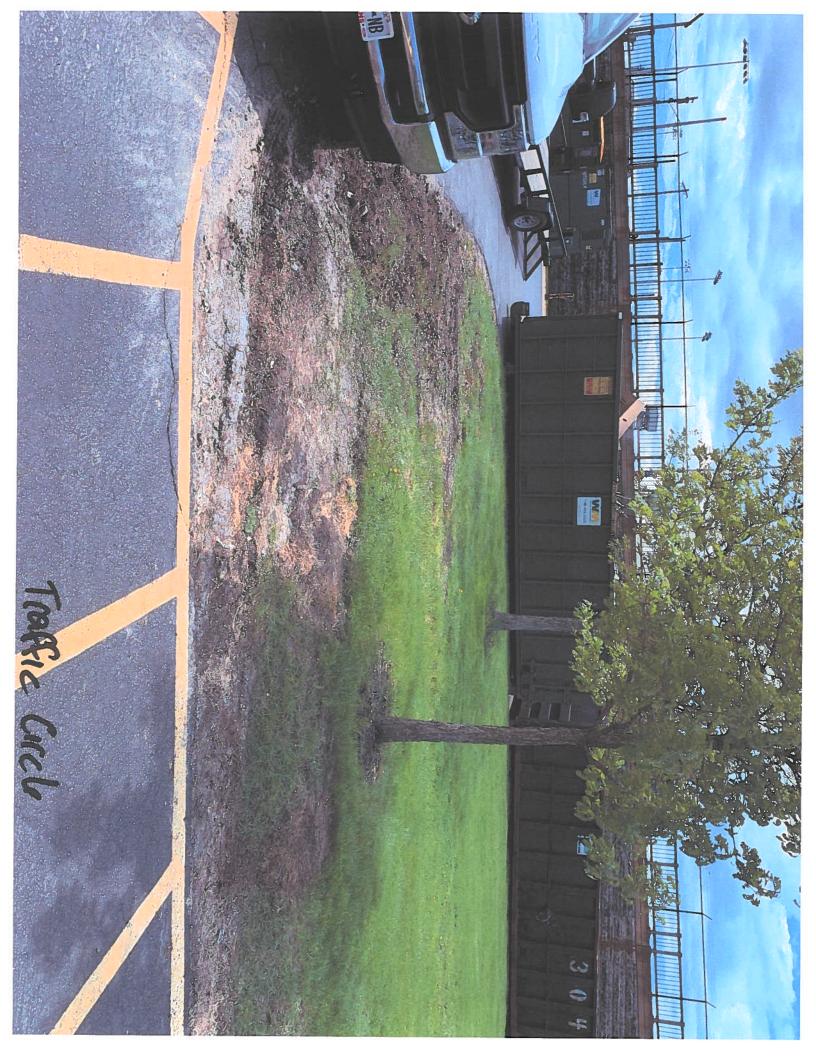












Kandefer, Matt

From: Sent: To: Cc: Subject: Kandefer, Matt Tuesday, May 17, 2022 3:36 PM Mosso, Ryan Thomas Cantie (Thomas.Cantie@Honeywell.com) Safety Work Order

Ryan,

Please put in a safety work order to repair the grass/ground cover on the site. Occhino will be doing this work in the next few weeks through Tom. Thanks,

Matt

Matthew Kandefer, CSP

Health Safety & Environment Manager Honeywell | PMT C: (716) 471-3158 matthew.kandefer@honeywell.com

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Appendix B – Annual Groundwater Monitoring Report



40 La Riviere Drive, Suite 122 • Buffalo, New York 14202 • (716) 541-0730 • www.parsons.com

July 29, 2022

Joshua M. Vaccaro New York State Department of Environmental Conservation, Region 9 Division of Environmental Remediation 270 Michigan Avenue Buffalo, New York 14203

RE: Annual Groundwater Monitoring Report, Honeywell Buffalo Research Laboratory

Dear Mr. Vaccaro:

Enclosed please find the 2022 Annual Groundwater Monitoring Report for the Honeywell Buffalo Research Laboratory in Buffalo, New York (see **Figure 1**). The report is a requirement of the Site Management Plan (SMP) (GHD, June 2019) for the facility. The annual groundwater monitoring event was conducted on June 14, 2022.

Based on the results of the annual groundwater monitoring over the last several years, including the current year, the monitoring will be continued on an annual schedule as defined in the SMP. The monitoring schedule will be re-evaluated as additional results are collected. The detailed rationale for these recommendations is provided in the Recommendations/Conclusions section of this report.

Well Inspection

In accordance with the SMP, the depth to groundwater was measured and the condition of each monitoring well (MW-2, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10) was inspected. MW-1 and MW-4 could not be found and may have been covered by asphalt, as noted in previous reports. MW-9 is a flush mounted well and was unable to be opened as it appears to have been partially paved over. In 2023, appropriate tools will be bought along in an effort to open the well. The results of the well inspections are presented below. The well inspection records are included in **Attachment A**. Each of the wells that were inspected were in good condition with only minor issues, but none requiring maintenance.

MW-2, Stick-up Protective Casing

- Paint and label in good condition.
- Well was locked.
- Stick-up protective metal casing was in good condition.
- J-plug well cap was secure.
- Concrete pad was in fair condition.

MW-3, Stick-up Protective Casing

- Paint and label in good condition.
- Well was locked.

- Stick-up protective metal casing was in good condition (rusty lock required lubrication and lubrication of the lock was completed while inspecting well).
- J-plug well cap was secure.
- Concrete pad was in good condition.

MW-5, Flush-mounted Protective Casing

- Curb box, cover, and concrete pad were in good condition.
- Water-tight well cap was secure.
- Surrounding asphalt was in good condition.

MW-6, Flush-mounted Protective Casing

- Curb box and cover were in place and in good condition. Bolts were slightly rusted, and it is planned to replace the bolts in 2023.
- Water-tight well cap was secure.
- Surrounding asphalt was in good condition.

MW-7, Flush-mounted Protective Casing

- Curb box, cover, and concrete pad were in good condition. A new well completion was installed in 2021.
- Concrete pad is in good condition.
- Water-tight well cap was secure.
- Surrounding asphalt was in good condition.

MW-8, Stick-up Protective Casing

- Paint and label in good condition.
- Well was locked.
- Stick-up protective metal casing was in good condition.
- J-plug well cap was secure.
- Concrete pad was in good condition and covered by blacktop.

MW-9, Flush-mounted Protective Casing

- Curb box and cover were in place and in good condition (new installed 2021) however the well could not be opened due to being partially paved over. This issue is planned to be addressed during the 2023 groundwater sampling event.
- Concrete pad was new (installed 2021).
- Water-tight well cap was secure.
- Surrounding asphalt was in good condition.

MW-10, Stick-up Protective Casing

- Well was locked. While cover is broken, it is still able to be locked.
- Stick-up protective metal casing was in good condition.
- J-plug well cap was secure.
- Concrete pad was in good condition but is covered by blacktop.

Groundwater Sampling

Groundwater samples were collected from MW-3 and MW-5 for laboratory analysis, as specified in the SMP. During this sampling event, purging was conducted, and samples were collected using a peristaltic pump and HDPE tubing.

Prior to collecting groundwater samples, each well was purged of a minimum of three well volumes of groundwater and was purged until field parameters (pH, specific conductivity, turbidity, and temperature) were stable. During purging, field parameters, including pH, temperature, specific conductivity, and turbidity, were measured and recorded. Wells were purged at approximately 200 milliliters per min (ml/min).

Samples were submitted for analysis using Method EPA 8260 for volatile organic compounds (VOCs) and EPA 6010C for metals (total arsenic and barium and soluble arsenic and barium). Soluble arsenic and barium are analyzed if turbidity exceeds 50 NTU, which in 2022, neither sample did, and therefore soluble arsenic and barium were not analyzed. Turbidity is measured both in the field and at the laboratory. In addition to the two groundwater samples, the trip blank that accompanied the bottle set from the laboratory, into the field, and back to the laboratory, was submitted for VOC analysis. Field parameters and other monitoring data were recorded on the Well Sampling Records provided in **Attachment A**.

Summary of Analytical Results

Table 1 presents a summary of the detected chemical constituents for this sampling event, and Table 2 provides the historical analytical results from 1994 through the current (2022) annual sampling event. A data summary table and the laboratory data report for the current samples are provided in Attachment B. Sample results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQS), contained in 6 NYCRR Part 703.

VOCs

Three VOCs were identified in the groundwater sample from MW-3 (1,1,1-trichloroethane at 6.9 μ g/L, 1,1-dichloroethane [1,1-DCE] at 3.2 μ g/L, and 1,1-dichloroethane [1,1-DCA] at 24 μ g/L). 1,1-DCA and 1,1,1-trichloroethane exceeded the NYSDEC AWQS. No VOCs were identified in the groundwater sample from MW-5. The analytical results for the trip blank (VOCs) were all below the analytical detection limits.

<u>Metals</u>

Total arsenic was below the AWQS ($25 \mu g/L$) in MW-3 ($11 \mu g/L$) and in MW-5 ($9 \mu g/L$). Total barium was below the AWQS ($1,000 \mu g/L$) in both wells ($142 \mu g/L$ in MW-3 and $195 \mu g/L$ in MW-5). Turbidity of both samples was below 50 NTUs and therefore, soluble arsenic and barium were not analyzed.

Discussion of Historical Analytical Results

<u>VOCs</u>

Table 2 provides a summary of the historical analytical results. Two VOCs were identified in the sample from MW-5 in 2016 that were not found in 2017 through 2020, or prior to 2016. VOCs have not typically been found in MW-5. Chloroform and dibromochloromethane were both identified in 2016 and both were below their respective NYSDEC AWQS. It is suspected that these two VOCs are the result of a water main break in the area of MW-5 in 2016. The water main break was repaired prior to the groundwater sampling in 2016. These two compounds are not expected to be identified in the future.

1,1,1-TCA and 1,1-DCA have typically been identified above the respective AWQS in groundwater from MW-3. The concentrations of 1,1-DCA ranged from below the analytical detection limits to 42 μ g/L between 1994 and May 2022. Although 1,1,1-TCA was below the analytical detection limit in July 2014, it was detected each year from 2015 through 2022 between 4.1 μ g/L and 9.8 μ g/L. The concentrations of 1,1,1-TCA have ranged from below the analytical detection limits to 36 μ g/L (1994) in MW-3. Since 1994 1,1,1-TCA has been 20 μ g/L or less and has been less than 10 μ g/L for the last nine years. 1,1,1-TCA was below the NYSDEC AWQS of 5 ug/L the between 2019 and 2021. 1,1-DCE has occasionally been identified in MW-3, but is typically below the NYSDEC AWQS. Although 1,1-DCE has been detected for the last eleven years, it has been below the NYSDEC AWQS of 5 μ g/L during this time. 1,1-DCE last exceeded the NYSDEC AWQS in 2009. In 2019 TCE was detected (0.90 μ g/L) for the first time since 2005 and was again detected in 2020 (0.51 μ g/L). Both results are below the NYSDEC AWQS of 5 μ g/L. TCE was not detected in 2021 or 2022.

In summary, the analytical results from the current sampling event showed two VOCs (1,1,1-TCA and 1,1-DCA) above the AWQS in a single well (MW-3). Additionally, 1,1-DCE was observed below the AWQS in MW-3. 1,1-DCA is a common breakdown product of 1,1,1-TCA, when degraded through biotic processes such as reductive dechlorination, while 1,1-DCE is a common breakdown product of 1,1,1-TCA when degraded through abiotic processes. While VOCs have not typically been identified in MW-5, chloroform and dibromochloromethane were detected below their respective NYSDEC AWQS in 2016. It is suspected that these two compounds were associated with a water main break in the area of the well. These compounds were not detected between 2017 and 2022.

Metals

Over the past 24 years, total arsenic and total barium have been analyzed at least annually in the groundwater samples from MW-3 and MW-5. Total arsenic frequently exceeded the AWQS ($25 \mu g/L$) in the samples from MW-3 and occasionally in samples from MW-5. Total arsenic was below the AWQS in MW-3 and MW-5 during the current sampling event. Total barium did not exceed the AWQS in either well during this sampling event, nor in the previous sampling events. Historic total arsenic results for MW-3 and MW-5 have been included in a plot (Figure 2).

As required in the SMP, soluble arsenic and barium are analyzed when the sample turbidity exceeds 50 NTUs. Historically, soluble arsenic and soluble barium have been below the AWQS in both wells when analyzed, except for MW-3 in 2013 and 2016 when soluble arsenic exceeded the AWQS. Soluble

If you need additional information or would like to discuss the results of this Annual Groundwater Monitoring Report, please contact me at (716) 525-3425.

Sincerely,

Ene A. Deltes

Eric A. Felter Project Manager

Michelle Mattice

Michelle Mattice Site Leader – Honeywell Buffalo Research Laboratory

arsenic and soluble barium were not analyzed in 2022 due to measured turbidity levels below 50 NTUs. The last time that soluble arsenic and barium were analyzed, 2018, soluble arsenic was below the analytical detection limits in MW-3 and MW-5 and soluble barium was detected in both wells at levels below the AWQS.

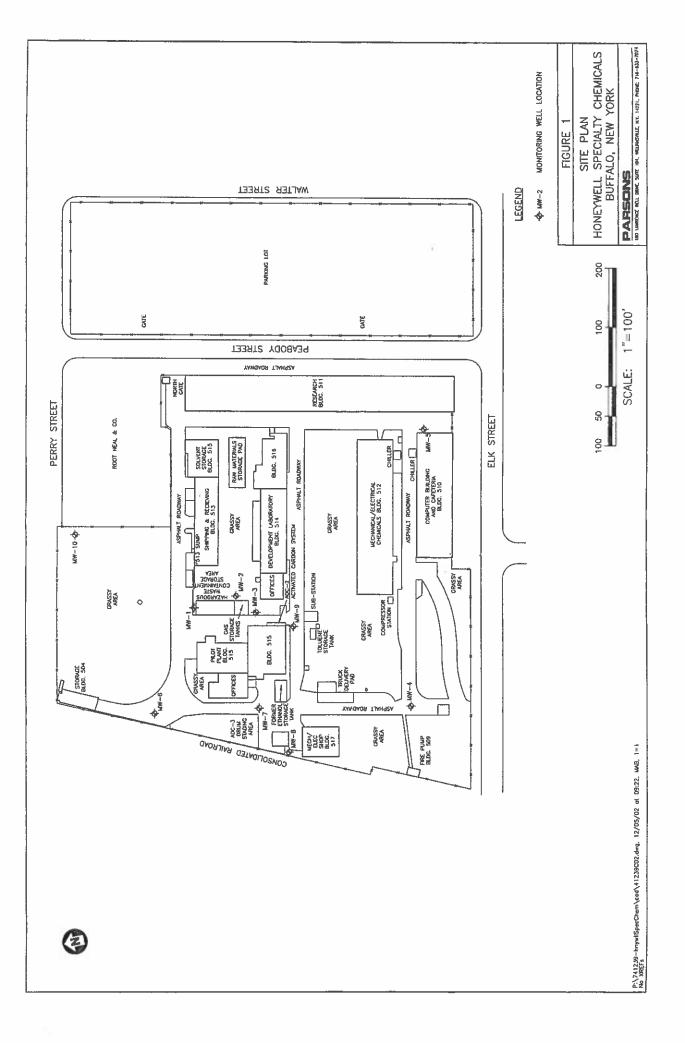
Groundwater Flow Direction

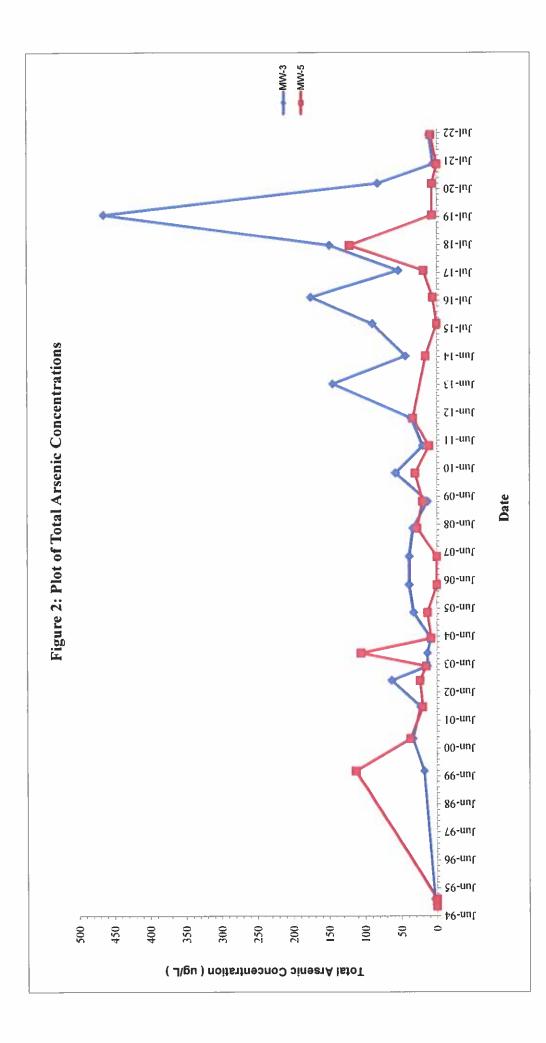
The water level measurements recorded on June 14, 2022 (see **Table 3**) are consistent with previous measurements. The groundwater elevation contour map (**Figure 3**) indicates that the groundwater flow direction is generally to the southeast across the Site, which is consistent with previously observed flow directions.

Recommendations/Conclusions

Based on the current sampling results, groundwater flow direction, and the following points, groundwater monitoring should continue on an annual schedule:

- The detected concentrations of two VOCs (1,1,1-TCA and 1,1-DCA) were low, although exceeding the AWQS in MW-3. One other VOC was detected (1,1-DCE) in MW-3, but was below the AWQS;
- As shown by the lack of VOCs in MW-5, VOCs observed in onsite well (MW-3) will naturally attenuate prior to reaching the facility boundary;
- Total arsenic has been below the AWQS during six out of the last 20 sampling events in MW-3, and below the AWQS during 15 out of the last 20 sampling events in MW-5;
- Soluble arsenic, when analyzed, has typically been below the detection limits or the AWQS. The only two exceptions were in 2013 and 2016 in MW-3; and
- Total barium and soluble barium (when analyzed) have been below the AWQS during the current event and all previous sampling events in MW-3 and MW-5.





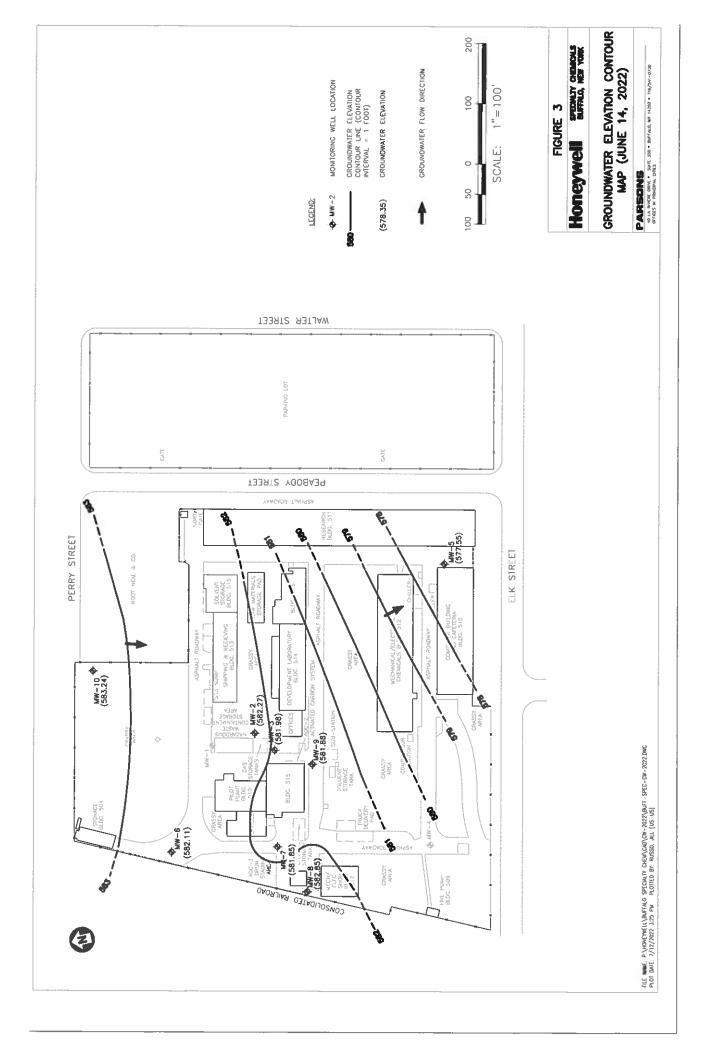


TABLE 1

Summary of Groundwater Analytical Results (6/14/2022)

Analytical Parameters	NYSDEC AWQS µg/L	MW-3 μg /L	MW-5 μg /L	Trip Blank μg /L
Total Arsenic	25	11	9	NA
Total Barium	1,000	142	195	NA
1,1-Dichloroethene	5	3.2	ND	ND
1,1-Dichloroethane	5	24	ND	ND
1,1,1-Trichloroethane	5	6.9	ND	ND

Note: Only detected analytes are shown.

Boxed and bold analytical results exceed NYSDEC Ambient Water Quality Standards (AWQS).

ND = Not detected.

NA = Not analyzed.

Sample ID: Trip Blank Sample Date: 05/27/21

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limits	Method
Chloromethane	ND	μg/L	10	SW 846 8260
Vinyl chloride	ND	μg/L	10	SW 846 8260
Bromomethane	ND	μg/L	10	SW 846 8260
Chloroethane	ND	μg/L	10	SW 846 8260
Trichlorofluoromethane	ND	μg/L	10	SW 846 8260
1,1-Dichloroethene	ND	μg/L	10	SW 846 8260
Methylene chloride	ND	μg/L	10	SW 846 8260
Trans-1,2-Dichloroethene	ND	μg/L	10	SW 846 8260
1.1-Dichloroethane	ND	μg/L	10	SW 846 8260
Bromochloromethane	ND	μg/L	10	SW 846 8260
Chloroform	ND	μg/L	10	SW 846 8260
1,2-Dichloroethane	ND	μg/L	10	SW 846 8260
1,1,1-Trichloroethane	ND	μg/L	10	SW 846 8260
Carbon tetrachloride	ND	μg/L	10	SW 846 8260
Benzene	ND	μg/L	10	SW 846 8260
1,2-Dichloropropane	ND	μg/L	10	SW 846 8260
Trichloroethene	ND	μg/L	10	SW 846 8260
2-Chloroethylvinyl ether	ND	μg/L	10	SW 846 8260
Cis-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
Trans-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
1,1,2-Trichloroethane	ND	μg/L	10	SW 846 8260
Toluene	ND	μg/L	10	SW 846 8260
Dibromochloromethane	ND	μg/L	10	SW 846 8260
Tetrachloroethene	ND	μg/L	10	SW 846 8260
Chlorobenzene	ND	μg/L	10	SW 846 8260
Ethylbenzene	ND	μg/L	10	SW 846 8260
Bromoform	ND	μg/L	10	SW 846 8260
1,1,2,2-Tetrachloroethane	ND	μg/L	10	SW 846 8260
1,3-Dichlorobenzene	ND	μg/L	10	SW 846 8260
Acetone	ND	μg/L	10	SW 846 8260
2-Butanone	ND	μg/L	10	SW 846 8260
1,4-Dichlorobenzene	ND	μg/L	10	SW 846 8260
1,2-Dichlorobenzene	ND	μg/L	10	SW 846 8260

Sample ID: Monitoring Well 3 Sample Date: 06/14/22

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limits	Method
Total Arsenic	0.011	mg/L	0.025	EPA 6010
Soluble Arsenic	NA	mg/L	0.025	EPA 6010
Total Barium	0.142	mg/L	0.010	EPA 6010
Soluble Barium	NA	mg/L	0.010	EPA 6010
Chloromethane	ND	μg/L	10	SW 846 8260
Vinyl chloride	ND	μg/L	10	SW 846 8260
Bromomethane	ND	μg/L	10	SW 846 8260
Chloroethane	ND	μg/L	10	SW 846 8260
Trichlorofluoromethane	ND	μg/L	10	SW 846 8260
1,1-Dichloroethene	3.2	μg/L	10	SW 846 8260
Methylene chloride	ND	μg/L	10	SW 846 8260
Trans-1,2-Dichloroethene	ND	μg/L	10	SW 846 8260
1,1-Dichloroethane	24	μg/L	10	SW 846 8260
Bromochloromethane	ND	μg/L	10	SW 846 8260
Chloroform	ND	μg/L	10	SW 846 8260
1,2-Dichloroethane	ND	μg/L	10	SW 846 8260
1,1,1-Trichloroethane	6.9	μg/L	10	SW 846 8260
Carbon tetrachloride	ND	μg/L	10	SW 846 8260
Benzene	ND	µg/L	10	SW 846 8260
1,2-Dichloropropane	ND	µg/L	10	SW 846 8260
Trichloroethene	ND	μg/L	10	SW 846 8260
2-Chloroethylvinyl ether	ND	μg/L	10	SW 846 8260
Cis-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
Trans-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
1,1,2-Trichloroethane	ND	μg/L	10	SW 846 8260
Toluene	ND	μg/L	10	SW 846 8260
Dibromochloromethane	ND	µg/L	10	SW 846 8260
Tetrachloroethene	ND	μg/L	10	SW 846 8260
Chlorobenzene	ND	μg/L	10	SW 846 8260
Ethylbenzene	ND	μg/L	10	SW 846 8260
Bromoform	ND	μg/L	10	SW 846 8260
1,1,2,2-Tetrachloroethane	ND	μg/L	10	SW 846 8260
1,3-Dichlorobenzene	ND	μg/L	10	SW 846 8260
1,4-Dichlorobenzene	ND	μg/L	10	SW 846 8260
1,2-Dichlorobenzene	ND	μg/L	10	SW 846 8260

Sample ID: Monitoring Well 5 Sample Date: 06/14/22

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limits	Method
Total Arsenic	0.009	mg/L	0.025	EPA 6010
Soluble Arsenic	NA	mg/L	0.025	EPA 6010
Total Barium	0.195	mg/L	0.010	EPA 6010
Soluble Barium	NA	mg/L	0.010	EPA 6010
Chloromethane	ND	μg/L	10	SW 846 8260
Vinyl chloride	ND	μg/L	10	SW 846 8260
Bromomethane	ND	μg/L	10	SW 846 8260
Chloroethane	ND	μg/L	10	SW 846 8260
Trichlorofluoromethane	ND	μg/L	10	SW 846 8260
1.1-Dichloroethene	ND	μg/L	10	SW 846 8260
Methylene chloride	ND	μg/L	10	SW 846 8260
Trans-1,2-Dichloroethene	ND	μg/L	10	SW 846 8260
1,1-Dichloroethane	ND	μg/L	10	SW 846 8260
Chloroform	ND	μg/L	10	SW 846 8260
1,2-Dichloroethane	ND	μg/L	10	SW 846 8260
1.1.1-Trichloroethane	ND	μg/L	10	SW 846 8260
Carbon tetrachloride	ND	μg/L	10	SW 846 8260
Benzene	ND	μg/L	10	SW 846 8260
1,2-Dichloropropane	ND	μg/L	10	SW 846 8260
Trichloroethene	ND	µg/L	10	SW 846 8260
2-Chloroethylvinyl ether	ND	μg/L	10	SW 846 8260
Cis-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
Trans-1,3-Dichloropropene	ND	μg/L	10	SW 846 8260
1,1,2-Trichloroethane	ND	µg/L	10	SW 846 8260
Toluene	ND	μg/L	10	SW 846 8260
Dibromochloromethane	ND	μg/L	10	SW 846 8260
Tetrachloroethene	ND	μg/L	10	SW 846 8260
Chlorobenzene	ND	μg/L	10	SW 846 8260
Ethylbenzene	ND	μg/L	10	SW 846 8260
Bromoform	ND	μg/L	10	SW 846 8260
1,1,2,2-Tetrachloroethane	ND	μg/L	10	SW 846 8260
1,3-Dichlorobenzene	ND	μg/L	10	SW 846 8260
Acetone	ND	μg/L	10	SW 846 8260
2-Butanone	ND	µg/L	10	SW 846 8260
1,4-Dichlorobenzene	ND	μg/L	10	SW 846 8260
1,2-Dichlorobenzene	ND	μg/L	10	SW 846 8260

Table 2

Honeywell Specialty Chemicals Historical Analytical Results

Compound	0	1-WM		MW-2	MW-2	MW-2	MW-3	MW-3				MW-3	MW-3	6-WM	MW-3	MW-3	MW-3	MW-3	6-WM
	(ng/L)	10/17/94	1/18/95	10/17/94	1/18/95	5/27/03	10/17/94	1/18/95	8/23/99	10/19/00	12/10/01	11/19/02	5/27/03	11/13/03	5/25/04	4/28/05	4/25/06	5/1/07	5/6/08
	のないので	a sector and		NAME AND A	No. States of the	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	CT Steller	100000000	Consecution of	State State	2210000000		00000000000	No. Post No.	Second Sec	State State	States of the second	States and	State State
Total Arsenic	25	3 B	•		2.9 B	8.80 J		3 B	18	34	23 J	63.3	13.2 J	13.4 J	8.38 J	33.0	39.0	39.0	34.0
Soluble Arsenic	25	NA	NA	AA	NA	6.41 J	NA	NA	NA	NA	13 J	16 J	9.2 J	13.1 J	AN	AN	24		13
Total Barium	1,000	102 B	67.6	197 B	157 B	130	111 B	129 B	166	135	140	194	197	262	279	357	302	394	361
Soluble Barium	1,000	NA	NA	NA	NA	129	NA	NA	AN	NA	140	177	191	245	AN	AN	361	324	360
Acetone	50	12	•	11	6 J	NA	7	59	NA	AN	AA	NA	AN	A	AN	AN	AA	A	AA
2-Butanone	50		•			NA [6 J	AN	AN	AA	AN	AN	AN	AN	AN	AN	¥	AN
Chloroform	7	•		•		,			•	,		,			,				,
Dibromochloromethane	5	•		•	,	'			,	'			•						
1,1,1-Trichloroethane	5	,		•	•		36	10	20	17.1	7.62	16.2	12.3		,		9	12.3	11.2
Tetrachloroethene (PCE)	5	,	•	•	-			•	•	<10			1	,	,	2.11 J			
Trichloroethene (TCE)	ß	•	•	ı	r	•	,		-	•	•		1		•	5.20 J			
1.1-Dichloroethene	2	1			•	•	4	•		<10		,	,			,	-		
Methylene Chloride	5	11	•	8	-		80		•	<10		•	 					 	
1,1-Dichloroethane	5	•				•	42	11	20	20.7	7.73	26.0	17.3			6.42 J	14	17.1	17.1
1,2-Dichloroethane	0.6	11								•	,						 .		
1, 2-Dichlorobenzene	e				4				•		2.86								,
1,2-Dichloropropane	1	-			•	'		,		•	,	,							-
Toluene	5	,	ŀ	,	3 J	•	,			,		,			1				-
Chloroethane	2	,	'	,	•	'	•	•	•			,			,	,			
Vinyl chloride	2		•	,	•	-						,			 	,			

Bold data exceed NYSDEC Ambient Water Quality Standards (AWQS).
= Compound not detected above analytical detection limits.
J = Analytical result is an estimate.
NA = Not analyzed.
B = Compond also identified in blank.

Table 2

Honeywell Specialty Chemicals Historicat Analytical Results

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Compound	NYSDEC AWQS (ug/L)	MW-3 4/21/09	MW-3 4/29/10	MW-3 4/19/11	MW-3 4/17/12	MW-3 7/9/13	MW-3 7/9/14	MW-3 9/5/15	MW-3 8/16/16	MW-3 8/1/17	MW-3 6/26/18	MW-3 7/29/19	MW-3 9/15/20	MW-3 5/27/21	MW-3 6/14/22	MW-4 10/17/94	MW-4 1/18/95	MW-5 10/17/94	MW-5 1/18/95	MW-5 8/23/99
25 13 58 20 36 145 44 30 176 54 150 466 83 5 11 56 B 56 B 23 74 303 130 B 230 B 231 B 230 B <		のためのい		STATES AND		CALLAR BOLL	14. 11. 10 M				No.			Meleosex		UNIT OF STREET		(increase)	ACCURATE RECEIPTION	ALC: NO	L'ANNA A
(1) (2) (NA) (N) (NA) (N	Total Arsenic	25	13	58	20	36	145	44	90	176	54	150	466	83	5	11		5.6 B	•	х.	113
1.000 206 147 313 204 289 203 455 446 215 246 425 374 360 142 183 243 71 8 1.000 NA NA<	Soluble Arsenic	25	NA		•	18	69	,		43.7	15	-	NA	NA	NA	NA [NA	NA	NA	NA	NA
1,000 NA 136 331 128 226 200 NA 50 NA	Total Barium	1,000	206	147	313	204	289	203	455	446	215	246	425	374	360	142		243	71 B	74 B	170
50 NA NA<	Soluble Barium	1,000	NA	136	331	128	226	200	NA	508	244	180	NA	NA	NA	NA	AN	AN	AN	AN	AN
50 NA NA<	Acetone	50	NA	AA	NA	NA	AN	NA	NA	NA	ŧ	NA	NA		5	æ	9		ъ		NA
7	2-Butanone	50	NA	NA	AA	NA	AN	NA	NA	NA	•	NA	NA	•	-	•	•	•	-		NA
ane 5 17.7 8.22 7.3 11.4 5.9 -	Chloroform	2	•		,						×	3					2		1	1	4
e 5 17.7 8.22 7.3 11.4 5.9 - 9.2 4.7 9.0 9.8 4.2 4.1 6.9 - 1	Dibromochloromethane	5	•				,	•	•	ł		1	1	1961	84.		3	×	3		1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1,1-Trichloroethane	5	17.7	8.22	7.3	11.4	5.9	1.0	9.2	4,7	9.0	9.8	4.2	4.1	4.1	6.9	4	,	,	,	,
	Tetrachloroethene (PCE)	5			•			•	•	•	,				•	•		·	•	•	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Trichloroethene (TCE)	2	•			- 					•		06'0	0.51				•			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethene	5	23.3	'		2.54	2.1	2.3	3.3	1.6	4.4	4.1	2.4	1.8	2.0	3.2					
hane 5 . 12.1 10.6 21.1 8.5 19.2 28 38 40 22 19 18 24 .<	Methylene Chloride	5				,			•		•					•	8	•	12		•
hane 0.6 · <td>1,1-Dichloroethane</td> <td>5</td> <td></td> <td>12.1</td> <td>10.6</td> <td>21.1</td> <td>8.5</td> <td>19.2</td> <td>29</td> <td>28</td> <td>38</td> <td>40</td> <td>22</td> <td>19</td> <td>18</td> <td>24</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td>1</td>	1,1-Dichloroethane	5		12.1	10.6	21.1	8.5	19.2	29	28	38	40	22	19	18	24	•	•	•		1
anzene 3 - - - 4.2 -<	1, 2-Dichloroethane	0.6	,		,			•	1	•							•	•		-	ı
opane 1 . <td>1,2-Dichlorobenzene</td> <td>ε</td> <td>10</td> <td></td> <td>•</td> <td>•</td> <td>4.2</td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>•</td> <td>1</td>	1,2-Dichlorobenzene	ε	10		•	•	4.2		•	•	•	•	•	•					•	•	1
5 2	1,2-Dichloropropane	1		•	•	•	,							,				•	۰	•	
5 - <td>Toluene</td> <td>5</td> <td></td> <td>1</td> <td>•</td> <td></td> <td>•</td> <td>,</td> <td></td> <td></td>	Toluene	5		1	•		•	•	•	•	•	•	•	•	•	•	•	•	,		
2 - - 13.7 - 4.4 - - 2.6 - - - - - - - - -	Chloroethane	5		-					•	•		•	3.9	•		•	•	•		•	•
	Vinyl chloride	2	,	'		13.7	0	4.4	,	,	2.6		•	•		•	•				

Bold data exceed NYSDEC Ambient Water Quality Standards (AWOS). = = Compound not detected above analytical

detection limits J = Analytical result is an estimate NA = Not analyzed. B = Compond also identified in blank.

PARSONS

Table 2

Honeywell Specialty Chemicals Historical Analytical Results

0 10 0 10	3	7		Γ	Γ	İ	Γ	Γ		Γ			Γ	Γ			Γ	Γ	Γ	Γ	
MW-10 5/27/03	and a second	19.7	¥	16.5	A	¥	¥	•	S.	•	•	a.	j.	•	•	ł	•	•	•	•	ŝ
MW-10 1/18/95		•	AN	22.3 B	A	5 J						•	¢	а	•	,	•	ŀ	9	•	ė
MW-10 MW-10 10/17/94 1/18/95		4 B	NA	33 B	NA	21			1.0		4		1.00	16	1	•	1	3	1000		
MW-9 5/25/04	100 miles	28.1	AN	205	AN	AN	AN				,		÷							۰,	36
MW-9 1/18/95	100 miles		AN	134 B	AN	18				1940			1	•		•		ł	1	ł	•
MW-9 10/17/94			AN	149 B	AN	27			×	*	2	æ	g	19	×		×	•	े		×
MW-8 1/18/95	Siles all	ŀ	AN	77.2 B	AN			•	ç		3	្ន	Ę		÷				ુ	÷	х С
MW-8 10/17/94	Cost Column	,	A	90 B	AN	9	,		Q.	2	80	۲		80	25	a.	3	4	9	2	(9)
MW-7 1/18/95	Sector Sector	2.7 B	AN	204 B	AN		•	•	27	è	ŝ		а,	Q.	2	ب	5	26	×.	÷	(ç.
MW-7 10/17/94	What which is	,	AN	176 B	AN	6			2	2	2	5		80	4	2	æ	5		3	3
MW-6 5/27/03	A CALCER	5.64 J	7.34 J	65.2	69.2	AN	AN	,	3.	E.					÷	્ર	×	÷	9	÷	4
MW-6 1/18/95	Sector Sector	÷	AN	615 B	AN				3	ŝ	2		3		5	2	32	5		2	ં
MW-6 10/17/94	ten y man	ж	NA	84 B	AN	4		20		,		×	•	ഹ				•	-	1	•
MW-5 6/14/22	C Executives	6	AN	195	NA	1	÷							1	1.00	,			X	3	•
MW-5 5/27/21	Street Street		AA	180	AN	.,	æ	×	æ			×			5	9		,			ŀ
MW-5 9/15/20	STATES OF	7	AN	143	AA	2	(1)) (1))	x	•	,	,	ł.		100	140	4				200	-
MW-5 7/29/19	the Address	7	AA	209	NA	3	2		26			¢	•	3	*		,	2		2	
MW-5 6/26/18	51. a 424 - 10	122	4	254	165	NA	NA	3	3			40			10	•		1	1		•
MW-5 8/1/17	N.S. Office Street	19	•	137	124	2		20	3		•	•	•		2		æ	5	25	•	•
NYSDEC AWQS (ug/L)	見たいのという	25	25	1,000	1,000	50	50	7	5	ۍ	5	5	5	5	5	0'0	ę		S	5	2
Compound	「「「「「「「」」」とない。「「「「「」」」の「「」」」という。	Total Arsenic	Soluble Arsenic	Total Barium	Soluble Barium	Acetone	2-Butanone	Chloroform	D bromochloromethane	1, 1, 1-Trichloroethane	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1.1-Dichloroethene	Methylene Chloride	1,1-Dichloroethane	1.2-Dichloroethane	1.2-Dichlorobenzene	1,2-Dichloropropane	Toluene	Chloroethane	Vinyl chloride

Bold data exceed NYSDEC Ambient Water Ouality Standards (AWQS), - = Compound not detected above analytical detection timits. J = Analytical result is an estimate. NA = Not analyzed. B = Compond also identified in blank.

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Honeywell Specialty Chemicals Historical Analytical Results

Сотроии	NYSDEC AWQS (ug/L)	MW-5 10/19/00	MW-5 12/10/01	MVV-5 MVV-5 MVV-5 MVV-5 MVV-5 10/19/00 12/10/01 11/19/02 5/27/03		MW-5 11/13/03	MW-5 5/25/04	MW-5 4/28/05	MW-5 4/25/06	MW-5 5/1/07	MW-5 5/6/08	MW-5 4/21/09	MW-5 4/29/10	MW-5 4/19/11	MW-5 4/17/12	MW-5 7/9/13	MW-5 7/9/14	MW-5 9/8/15	MW-5 8/16/16
							-		-										
	ALC: NOT A	100000	a subset	A	Sec. al	13 T 4.	1000		5 N 18	A Colored	STA CASS	STANK I	Sector 1	東京人の行きた	United with the second	CHERTONICS	a de la caracia	のないのの	THE PARTY OF
Total Arsenic	25	37	20 J	24.1 J	15.1 J	106	8.17 J	13.3 J			28.0	20	31	11	34	12	16	·	9
Soluble Arsenic	25	AN	ر ا	14.0 J	8.18 J	9.1 J		8.85	10	10.00	14	NA	19		17	20	'	NA	
Total Barium	1,000	100	80	95.1	83.8	214	63.9	94.9	92	58	56	50	61	56	56	70	61	58	169
Soluble Barium	1,000	NA	80	76	70.2	63.8	NA	86.4	71	21	63	NA	57	71	67	57	51	NA	108
Acetone	50	AN	NA	AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	50	AN	AN	AN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	'	•	,	,		1							2	1			•	6,1
Dibromochloromethane	2	,	•		•			1	10	100	æ	1000	Se la	1	1	8	2.4.2	3	1,1
1,1,1-Trichloroethane	5		ŀ									•		•		•			
Tetrachloroethene (PCE)	5	•	•						•		. 1	•	•	٠	4	•			•
Trichloroethene (TCE)	5		,	•		•	•		,	,		•		٢	ı		,	,	,
1,1-Dichloroethene	5	•	•	•	-	•	•		F	,	•			,	ı		r		r
Methylene Chloride	5	31.1	4	•	•		•	,		'	t			'	ı		ı		ı
1, 1-Dichloroethane	5	•	,						•	•	•	•	•	•					•
1,2-Dichloroethane	0.6	•	ŀ		,		•	•						•	,		•	ŀ	,
1.2-Dichlorobenzene	3	۰	ı	1	•		•		•	•	•	•	•	,					
1,2-Dichloropropane	1	•	•			•		•				,	,	,	•	•	1	•	
Toluene	5	,	ı		•	. '	•	,	,					,	'			•	•
Chloroethane	5	•	•	•	£	۲	,	ı	•	•			,	,	,	,	,	•	,
Vinyl chloride	2	•	•	-		•	,	,		·		-	-	,	r	,			t

Bold data exceed NYSDEC Ambient Water Quality Standards (AWOS). - = Compound not detected above analytical

detection limits. J = Analytical result is an estimate. NA = Not analyzed. B = Compond also identified in blank.

PARSONS

Monitoring	Water Level	Top of Well	Depth to	Water Table
Well	Measurement	Casing Elevation	Water	Elevation
ID	Date	(Feet AMSL)	(Feet TOC)	(Feet)
MW-1	10/17/1994	585.69	3.26	582.43
MW-1	11/8/1994	585.69	5.04	580.65
MW-1	11/15/1994	585.69	3.59	582.10
MW-1	1/17/1995	585.69	2.55	583.14
MW-2	10/17/1994	587.32	5.09	582.23
MW-2	11/8/1994	587.32	4.38	582.94
MW-2 MW-2	11/15/1994 1/17/1995	587.32	4.73	582.59
MW-2	8/23/1999	587.32	4.43 5.95	582.89 581.37
MW-2	10/19/2000	587.32	5.05	582.27
MW-2	12/10/2001	587.32	4.88	582.44
MW-2	11/19/2002	587.32	4.45	582.87
MW-2	5/27/2003	587.32	4.56	582.76
MW-2	11/13/2003	587.32	4.56	582.76
MW-2	5/25/2004	587.32	4.21	583.11
MW-2	4/28/2005	587.32	4.10	583.22
MW-2	4/25/2006	587.32	4,80	582.52
MW-2	5/1/2007	587.32	4.58	582.74
MW-2 MW-2	5/6/2008	587.32 587.32	4.80	582.52 582.76
MW-2	4/29/2010	587.32	4.55	582.69
MW-2	4/19/2011	587.32	4.03	583.04
MW-2	4/17/2012	587.32	5.10	582.22
MW-2	7/9/2013	587.32	4.47	582.85
MW-2	7/9/2014	587.32	4,55	582.77
MW-2	9/8/2015	587.32	5.34	581.98
MW-2	8/16/2016	587.32	5.51	581.81
MW-2	8/1/2017	587.32	4.80	582.52
MW-2	6/26/2018	587.32	4.91	582.41
MW-2	7/29/2019	587.32	5.45	581.87
MW-2 MW-2	9/15/2020	587.32	5.66	581.66
MW-2	5/27/2021 6/14/2022	587.32 587.32	5.08 5.05	582.24 582.27
MW-3	10/17/1994	587.55	5.05	582.14
MW-3	11/8/1994	587.55	5.13	582.42
MW-3	11/15/1994	587.55	5.30	582.25
MW-3	1/17/1995	587.55	5.20	582.35
MW-3	8/23/1999	587.55	5.90	581.65
MW-3	10/19/2000	587.55	6.20	581.35
MW-3	12/10/2001	587.55	6.18	581.37
MW-3	11/19/2002	587.55	6.11	581.44
MW-3	5/27/2003	587.55	6.09	581.46
MW-3	11/13/2003	587.55	6.43	581.12
MW-3 MW-3	5/25/2004	587.55	6.57	580.98
MW-3	4/28/2005 4/25/2006	587.55 587.55	6.40 6.10	581.15 581.45
MW-3	5/1/2007	587.55	6.08	581.45
MW-3	5/6/2008	587.55	6.12	581.43
MW-3	4/21/2009	587.55	6.00	581.55
MW-3	4/29/2010	587.55	6.20	581.35
MW-3	4/19/2011	587.55	5.94	581.61
MW-3	4/17/2012	587.55	6.00	581.55
MW-3	7/9/2013	587.55	5.89	581.66
MW-3	7/9/2014	587.55	5.62	581.93
MW-3	9/8/2015	587.55	5.81	581.74
MW-3	8/16/2016	587.55	5.81	581.74
MW-3 MW-3	8/1/2017 6/26/2018	587.55	5.52	582.03
MW-3	7/29/2019	587.55 587.55	5.60	581.95 581.73
MW-3	9/15/2020	587.55	5.91	581.64
MW-3	5/27/2021	587.55	5.53	582.02
MW-3	6/14/2022	587.55	5.57	581.98

Monitoring	Water Level	Top of Well	Depth to	Water Table
Well	Measurement	Casing Elevation	Water	Elevation
ID	Date	(Feet AMSL)	(Feet TOC)	(Feet)
MW-4	10/17/1994	583.87	3.18	580.69
MW-4	11/8/1994	583.87	4.30	579.57
MW-4	11/15/1994	583.87	2.96	580.91
MW-4	1/17/1995	583.87	2.86	581.01
MW-5	10/17/1994	583.47	4.96	578.51
MW-5	11/8/1994	583.47	4.65	578.82
MW-5	11/15/1994	583.47	4 76	578.71
MW-5	1/17/1995	583.47	4.77	578.70
MW-5	8/23/1999	583.47	4.82	578.65
MW-5	10/19/2000	583.47	4.55	578.92
MW-5	12/10/2001	583.47	4.86	578.61
MW-5	11/19/2002	583.47	5.02	578.45
MW-5	5/27/2003	583.47	5.27	578.20
MW-5	11/13/2003	583.47	8.46	575.01
MW-5	5/25/2004	583.47	6.30	577.17
MW-5	4/28/2005	583.47	4.82	578.65
MW-5	4/25/2006	583.47	5.12	578.35
MW-5	5/1/2007	583.47	5.62	577.85
MW-5	5/6/2008	583.47	6.32	577.15
MW-5	4/21/2009	583.47	8.72	574.75
MW-5	4/29/2010	583.47	9.02	574.45
MW-5	4/19/2011	583.47	8.29	575.18
MW-5	4/17/2012	583.47	8 28	575.19
MW-5	7/9/2013	583.47	8.30	575.17
MW-5	7/9/2014	583.47	5 30	578.17
MW-5	9/8/2015	583.47	8.30	575.17
MW-5	8/16/2016	583.47	6.85	576.62
MW-5	8/1/2017	583.47	5.87	577.60
MW-5	6/26/2018	583.47	5.98	577.49
MW-5	7/29/2019	583.47	6.01	577.46
MW-5	9/15/2020	583.47	6.32	577.15
MW-5	5/27/2021	583.47	5.83	577.64
MW-5	6/14/2022	583.47	5.92	577.55
MW-6	10/17/1994	585.22	2.68	582.54
MW-6	11/8/1994	585.22	2.49	582.73
MW-6	11/15/1994	585.22	2.55	582.67
MW-6	1/17/1995	585.22	2.54	582.68
MW-6	5/27/2003	585.22	2.48	582.74
MW-6	10/17/1994	585.22	2.68	582.54
MW-6	11/8/1994	585.22	2.49	582.73
MW-6	11/15/1994	585.22	2.55	582.67
MW-6	1/17/1995	585.22	2.54	582.68
MW-6	5/27/2003	585.22	2.48	582.74
MW-6	7/9/2013	585.22	2.75	582.47
MW-6	7/9/2014	585.22	2.69	582.53
MW-6	9/8/2015	585.22	3.56	581.66
MW-6	8/16/2016	585.22	3.42	581.80
MW-6	8/1/2017	585.22	3.16	582.06
MW-6	6/26/2018	585.22	3 34	581.88
MW-6	7/29/2019	585.22	3.51	581.71
MW-6	9/15/2020	585.22	3.50	581.72
MW-6	5/27/2021	585.22	3.11	582.11
MW-6	6/14/2022	585.22	3.11	582.11

Monitoring	Water Level	Top of Well	Depth to	Water Table
Well	Measurement	Casing Elevation	Water	Elevation
ID	Date	(Feet AMSL)	(Feet TOC)	(Feet)
MW-7	10/17/1994	585.42	3.71	581.71
MW-7	11/8/1994	585.42	3.36	582.06
MW-7	11/15/1994	585.42	3.62	581.80
MW-7	1/17/1995	585.42	3.38	582.04
MW-7	7/9/2013	585.42	3.38	582.04
MW-7	7/9/2014	585.42	3.40	582.02
MW-7	9/8/2015	585.42	3.75	581.67
MW-7	8/16/2016	585.42	3.84	581.58
MW-7	8/1/2017	585.42	3.60	581.82
MW-7 MW-7	6/26/2018 7/29/2019	585.42 585.42	3.46	581.96 581.57
MW-7	9/15/2020	585.42	3.90	581.57
MW-7	5/27/2021	585.42	3.36	582.06
MW-7	6/14/2022	585.42	3.57	581.85
MW-8	10/17/1994	587.94	5.55	582.39
MW-8	11/8/1994	587.94	5.40	582.54
MW-8	11/15/1994	587.94	5.53	582.41
MW-8	1/17/1995	587.94	5.82	582.12
MW-8	8/23/1999	587.94	5.40	582.54
MW-8	10/19/2000	587.94	5.30	582.64
MW-8	12/10/2001	587.94	5.35	582.59
MW-8	11/19/2002	587.94	5.25	582.69
MW-8	5/27/2003	587.94	5.21	582.73
MW-8	11/13/2003 5/25/2004	587.94	5.09	582.85
MW-8 MW-8	4/28/2005	587.94 587.94	4.91 4.99	583.03 582.95
MW-8	4/25/2005	587.94	5.3	582.64
MW-8	5/1/2007	587.94	5.23	582.71
MW-8	5/6/2008	587.94	5.25	582.69
MW-8	4/21/2009	587.94	4.68	583.26
MW-8	4/29/2010	587.94	5.32	582.62
MW-8	4/19/2011	587.94	5.12	582.82
MW-8	4/17/2012	587.94	5.43	582.51
MW-8	7/9/2013	587.94	4.86	583.08
MW-8	7/9/2014	587.94	4.82	583.12
MW-8	9/8/2015	587.94	5.46	582.48
MW-8	8/16/2016	587.94	5.05	582.89
MW-8 MW-8	8/1/2017 6/26/2018	587.94 587.94	5.09 5.10	582.85 582.84
MW-8	7/29/2019	587.94	5.10	582.79
MW-8	9/15/2020	587.94	5.14	582.80
MW-8	5/27/2021	587.94	5.23	582.71
MW-8	6/14/2022	587.94	5.09	582.85
MW-9	10/17/1994	584,48	2.39	582.09
MW-9	11/8/1994	584.48	1.83	582.65
MW-9	11/15/1994	584.48	2.09	582.39
MW-9	1/17/1995	584.48	2.02	582.46
MW-9	10/19/2000	584.48	0.00	584.48
MW-9	5/27/2003	584,48	1.91	582.57
MW-9	5/25/2004	584.48	2.90	581.58
MW-9 MW-9	4/19/2011 4/17/2012	584.48 584.48	2.26	582.22 582.62
MW-9	7/9/2013	584.48	2.26	582.62
MW-9	7/9/2014	584.48	2.50	581.98
MW-9	9/8/2015	584.48	2.45	582.03
MW-9	8/16/2016	584.48	2.10	582.38
MW-9	8/1/2017	584.48	1.68	582.80
MW-9	6/26/2018	584.48	2.76	581.72
MW-9	7/29/2019	584.48	2.66	581.82
MW-9	9/15/2020	584.48	2.66	581.82
MW-9	5/27/2021	584.48	2.60	581.88

Monitoring Well ID	Water Level Measurement Date	Top of Well Casing Elevation (Feet AMSL)	Depth to Water (Feet TOC)	Water Table Elevation (Feet)
MW-10	10/17/1994	587.85	5.31	582.54
MW-10	11/8/1994	587.85	3.44	584.41
MW-10	11/15/1994	587.85	3.98	583.87
MW-10	1/17/1995	587.85	3.40	584.45
MW-10	8/23/1999	587.85	7.83	580.02
MW-10	10/19/2000	587.85	5.01	582.84
MW-10	12/10/2001	587.85	4.13	583.72
MW-10	11/19/2002	587.85	4.23	583.62
MW-10	5/27/2003	587.85	3.85	584.00
MW-10	11/13/2003	587.85	3.63	584.22
MW-10	5/25/2004	587.85	3.00	584.85
MW-10	4/28/2005	587.85	3.53	584.32
MW-10	4/25/2006	587.85	4.65	583.20
MW-10	5/1/2007	587.85	6.89	580.96
MW-10	5/6/2008	587.85	4.02	583.83
MW-10	4/21/2009	587.85	6.82	581.03
MW-10	4/29/2010	587.85	4.40	583.45
MW-10	4/19/2011	587.85	3.42	584.43
MW-10	4/17/2012	587.85	5.84	582.01
MW-10	7/9/2013	587.85	3.49	584.36
MW-10	7/9/2014	587.85	3.60	584.25
MW-10	9/8/2015	587.85	5.55	582.3
MW-10	8/16/2016	587.85	5.64	582.21
MW-10	8/1/2017	587.85	5.07	582.78
MW-10	6/26/2018	587.85	4.39	583.46
MW-10	7/29/2019	587.85	5.21	582.64
MW-10	9/15/2020	587.85	4.81	583.04
MW-10	5/27/2021	587.85	4.61	583.24
MW-10	6/14/2022	587-85	4.61	583.24

ATTACHMENT A

Well Sampling Records

				<u> </u>	OW FLOW	WELL SA	MPLIN	IG R	ECOR)				
Site Name:		Honeywe	II BRL		-	Well ID:	MW-	3	-		Well Diamet	ier:	2 Inches	
Samplers:		Tayler Sci	hweigel			Monitored Na	itural Atte	nuatio	on Sample	Set (Y/N)?	n/a	-	
Purging D	<u>ata</u>							= (To	ital Depth	of We		OLUME CALCUL Water) x Casing \		_
											Casir	ng Volumes (gal/ft.);	
								1-inc	:h=0.041	1.5-	inch=0.092	2-inch=0.16	3-inch=0.36	
Method:	Lo	w Flow		Date/Time:	6/14/202	2 14:35	.	_ 4-in	ch=0.64	6	inch=1.4	8-inch=2.5	10-inch=4	
Time	DTW	Pump Rate	Vol.	рН	Spec. Cond.		Tem		ORF	>	DO	TDS	Comments	
24 hr. 14:35	ft.	ml/min.	gal.		mS/cm	NTU	°C	_						
	5.86	200	0.0	7.61	2.36	16.8	23.1		39		0.13	1.52		
14:40	6.95	200	0.2	7,14	1.83	23.0	20.4		-15		0.00	1 18		
14:45	7.02	200	0.4	7.02	1.80	22.6	18.4	4	-27		0.00	1,15		
14:50	7.11	200	0.6	6.95	1 78	10.9	18.1	8	-28		0.00	1.14		
14.55	7 11	200	0.8	6.92	1.84	8.87	18.4	2	-23		0.00	1.18		
15:00	7,10	190	1.0	6.89	1.89	5.13	18.7	9	-16		0.00	1 21	pump at max but flow slowing; battery is wearing	
15:05	7.10	180	12	6.86	1.94	4.68	18.7	4	-11		0.00	1 24	WL recovering	iy ou
15:10	7.08	150	1.3	6.85	1.94	3.11	18.8	8	-9		0.00	1 24		
15:15	7.01	150	1.4	6.85	1.94	2.45	19.4	Э	-7		0.00	1.24		
		·												
								_						

Sampling Data

HORR	IBA		
рН	6.85		Paramete
Spec. Cond.(mS/cm)	1.94		Ar & Ba
Turbidity (NTU)	2.45		Soluble Ar a
Temp.(°C)	19.48		Turbidity
ORP	-7		VOC-TC
DO	0.00		
TDS	1.24		
· · ·			
Comments:			

Total Volume of Water purged 1.5

	SAMP	LE SET	
Parameter	Bottle	Pres	Method
Ar & Ba	250mL	HNO3	
Soluble Ar &Ba	250mL	NA	
Turbidity	250mL	NA	
VOC-TCL	3-40mL vial	HCL	

PARSONS

LOW FLOW WELL SAMPLING RECORD

Site Name:		Honeywe	II BRL			Well ID:	MW-5		Well Diar	neter:	2 Inches	
Samplers:		Tayler Scl	nweigel			Monitored Na	tural Attenua	ation Sample	Set (Y/N)?	n/a	-	
Purging Da	ata						= (Total Depth o		VOLUME CALCUL o Water) x Casing V		
									Ca	sing Volumes (gal/ft.):	
							1.	inch=0.041	1.5-inch=0.09	2 2-inch=0.16	3-inch=0.36	
Method.	Lo	w Flow		Date/Time:	6/14/202	2 12:40		-inch=0.64	6-inch=1.4	8-inch=2.5	10-inch=4	
Time	DTW	Pump Rate	Vol.	pH	Spec. Cond.	Turbidity	Temp.	ORP	DO	TDS		
24 hr.	ft.	ml/min,	gal.		mS/cm	NTU	°C				Comment	ts
12:40	5.99	350	0.0	6.22	0 71	103	19.84	72	0.58	0.45		
12.45	5 96	300	0.2	674	2.65	91.8	18.55	-38	0 23	1.66		
12:50	5.94	300	0.4	6.75	4.40	103	18.66	-44	0.16	2.76		
12:55	5.94	175	06	6 80	8 11	72.8	20.38	-40	0.03	5.07		
13:00	5.94	175	09	6 83	9.51	45.0	20.98	-34	0.00	6.03		
13:05	5 93	175	1.1	6.85	10.3	36.7	21.26	-30	1 00	6.69		
13.10	5.94	175	1.3	6.87	11.6	27 0	20.22	-26	0.22	7 27		
13 15	5.94	175	1.5	6.87	12.1	24 2	20.38	-22	0.28	7_57		
13 20	5.94	160	1,7	6.88	12.7	17.1	20.76	-19	0 36	7 83		
13 25	5 94	170	2.0	6.89	13.0	14.4	20.69	-15	0.22	8.08		
13:30	5.94	170	2.1	6.90	13.2	10.6	20.88	-11	0.03	8.16		
13:35	5.94	170	2.3	6.90	13.4	9.55	20.30	-8	0.01	8.33		
13:40	5 94	170	2.5	6 90	13.6	8 74	19.87	-5	0.00	8.45		
13:45	5.94	170	2.7	6 90	13.6	7.07	20.10	-3	0.00	8.46		
13.50	5.94	170	2.9	6.91	13.8	6.46	19.95	0	0.00	8.54		
13.55	5.94	170	3.1	6.91	13 7	6.84	20.43	2	0.00	8.52		

Sampling Data

Field Parameters HORRIBA pН 6.91 13.7 Spec. Cond.(mS/cm) Turbidity (NTU) 6.84 20.43 Temp.(°C) 2 ORP DO 0.00 TDS 8.52

Method: peristaltic pump Date/Time: 6/14/2022 14:00 Total Volume of Water purged: 3.3

· ·	SAMPI	LE SET	
Parameter	Bottle	Pres.	Method
Ar & Ba	250mL	HNO3	
Soluble Ar &Ba	250mL	NA	
Turbidity	250mL	NA	
VOC-TCL	3-40mL viat	HCL	

Comments:

PARSONS

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	WELL INS	PECTIC	<u>ON FOR</u>	<u>M</u>	
Site Name	Honeywell Specialty Chen	nicals		Well ID	MW-2
Personnel	Tayler Schweigel				
Total Well D	epth (TOC)	19.18	feet		
Initial Static	Water Level (TOC)	5.05	feet		
Well Diamet	er	2	inches		
Condition of	Pro-Cover	fa	air		
Well Locked	I	yes	no		
Condition of	J-Plug	gc	od		
Concrete Pa	d Condition	fa	air		
Asphalt Con	dition	n	/a		
Date of Insp	ection	6/14/	2022		
Time of Insp	ection	12	22		
Comments:	Stick up well.				

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WELL INS	PECTION FOR	<u>M</u>	
Site Name <u>Honeywell Specialty Chen</u>	nicals	Well ID	MW-3
Personnel <u>Tayler Schweigel</u>			
Total Well Depth (TOC)	<u>18.77 feet</u>		
Initial Static Water Level (TOC)	feet		
Well Diameter	2 inches		
Condition of Pro-Cover	fair		
Well Locked	yes no		
Condition of J-Plug	good		
Concrete Pad Condition	good		
Asphalt Condition	n/a		
Date of Inspection	6/14/2022		
Time of Inspection	14:20		
Comments: <u>Stick up well. Lock was rus</u> After cleaning the lock, it functioned con			

	WELL INS	PECTI	<u>ON FOR</u>	M	
Site Name	Honeywell Specialty Cher	nicals		Well ID	<u>M</u> W-5
Personnel	Tayler Schweigel				
Total Well D	epth (TOC)	15.77	feet		
Initial Static	Water Level (TOC)	5.92	feet		
Well Diamet	er	2	inches		
Condition of	Pro-Cover	gc	ood		
Well Locked		yes	no		
Condition of	J-Plug	gc	ood		
Concrete Pa	d Condition	gc	od		
Asphalt Con	dition	gc	od		
Date of Insp	ection	6/14/	2022		
Time of Insp	ection	11	25		
Comments:	Flush mount. Bolted shut.				
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	WELL INSI	PECTIC	<u>ON FOR</u>	<u>M</u>	
Site Name	Honeywell Specialty Chem	nicals		Well ID	MW-6
Personnel	Tayler Schweigel				
Total Well D	epth (TOC)	16.78	feet		
Initial Static	Water Level (TOC)	3.11	feet		
Well Diamet	er	2	inches		
Condition of	Pro-Cover	fa	ir		
Well Locked	1	yes	no _		
Condition of	J-Plug	fa	ir		
Concrete Pa	ad Condition	go	od		
Asphalt Con	dition	go	od		
Date of Insp	ection	6/14/	2022		
Time of Insp	pection	14;	10		
	Flush mount. Bolted shut. Consider replacing bolts.	Cover and t	oolts are rus	ted, making	opening

WELL INS	PECTION FOR	<u>RM</u>
Site Name Honeywell Specialty Cher	nicals	Well ID MW-7
Personnel <u>Tayler Schweigel</u>		
Total Well Depth (TOC)	<u>12.75 feet</u>	
Initial Static Water Level (TOC)	3.57feet	
Well Diameter	2 inches	
Condition of Pro-Cover	good	
Well Locked	yes no	
Condition of J-Plug	good	
Concrete Pad Condition	good	
Asphalt Condition	good	
Date of Inspection	6/14/2022	
Time of Inspection	11:50	
Comments: Flush mount. Bolted shut.		
	· · · · · · · · · · · · · · · · · · ·	

WELL INS	PECTION FOR	<u>M</u>
Site Name <u>Honeywell Specialty Chen</u>	nicals	Well ID
Personnel <u>Tayler Schweigel</u>		
Total Well Depth (TOC)	19.35 feet	
Initial Static Water Level (TOC)	5.09 feet	
Well Diameter	2 inches	
Condition of Pro-Cover	fair	
Well Locked	yes no	
Condition of J-Plug	no j-plug	
Concrete Pad Condition	n/a	
Asphalt Condition	good	
Date of Inspection	6/14/2022	
Time of Inspection	12:05	
Comments: <u>Stick up well. Concrete pa</u>	d covered by blacktop.	
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PARSONS

	WELL INS	PECTION FOR	M	
Site Name	Honeywell Specialty Cher	micals	Well ID	MW-9
Personnel	Tayler Schweigel			
Total Well D	epth (TOC)	feet		
Initial Static	Water Level (TOC)	feet		
Well Diamet	er	inches		
Condition of	Pro-Cover			
Well Locked		yes no		
Condition of	J-Plug			
Concrete Pa	d Condition			
Asphalt Con	dition			
Date of Insp	ection	6/14/2022		
Time of Insp	ection			
	Flush mount. Bolted shu			

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	WELL INS	PECTIC	<u>ON FOR</u>	M	
Site Name	Honeywell Specialty Chen	nicals		Well ID	MW-10
Personnel	Tayler Schweigel				
Total Well D	lepth (TOC)	18.15	feet		
Initial Static	Water Level (TOC)	4.61	feet		
Well Diamet	er	2	inches		
Condition of	Pro-Cover	cover is bro	iken but can	still be lock	ed
Well Locked	ł	yes	no		
Condition of	J-Plug	go	od		
Concrete Pa	ad Condition	n	'a		
Asphalt Con	dition	go	od		
Date of Insp	ection	6/14/	2022		
Time of Insp	pection	12:	16		
Comments:	Stick up well. Concrete pa	ad covered b	y blacktop.		

ATTACHMENT B

Groundwater Analytical Results



ANALYTICAL REPORT

Lab Number:	L2231587
Client	Honeywell
	20 Peabody Street
	Buffalo, NY 14120
ATTN:	Matthew Kandefer
Phone:	(716) 827-6318
Project Name:	GROUNDWATER MONITORING
Project Number:	Not Specified
Report Date:	07/05/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



				Serial_No:(Serial_No:07052213:28
Project Name: Project Number:	GROUNDWATER MONITORING Not Specified	NG		Lab Number: Report Date:	L2231587 07/05/22
Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231587-01	MW-3	WATER	BUFFALO, NY	06/14/22 15:20	06/14/22
L2231587-02	MW-5	WATER	BUFFALO, NY	06/14/22 14:00	06/14/22
L2231587-03	TRIP BLANK	WATER	BUFFALO, NY	06/14/22 00:00	06/14/22



Project Name: GROUNDWATER MONITORING Project Number: Not Specified

Lab Number: L2231587 Report Date: 07/05/22

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.



 Project Name:
 GROUNDWATER MONITORING

 Project Number:
 Not Specified

Lab Number: L2231587 Report Date: 07/05/22

Case Narrative (continued)

Report Submission

Please note that this report format does not contain typical QC parameters that were performed with these samples. As such, any QC outliers or non-conformances can only be reviewed by accessing your Alpha Customer Center account at www.alphalab.com and building a Data Usability table (format 11) in our Data Merger tool.

Volatile Organics

L2231587-01 and -02: The pH of the sample was less than two. It should be noted that 2-chloroethylvinyl ether breaks down under acidic conditions.

Turbidity

WG1650690: A Laboratory Duplicate was not performed due to a laboratory oversight.

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

Authorized Signature:

Steven Gniadek

Title: Technical Director/Representative

Date: 07/05/22



VOLATILES



*

			Serial_N	p:07052213:28
Project Name:	GROUNDWATER MO	NITORING	Lab Number:	L2231587
Project Number:	Not Specified		Report Date:	07/05/22
		SAMPLE RESULTS		
Lab ID:	L2231587-01		Date Collected:	06/14/22 15:20
Client ID:	MW-3		Date Received:	06/14/22
Sample Location:	BUFFALO, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Water			
Analytical Method:	1,8260C			
Analytical Date:	06/26/22 18:03			
Analyst:	MV			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westbor	ough Lab					
Methylene chloride	ND		ug/l	2.5		31
1 1-Dichloroethane	24		ug/l	2,5		1
Chloroform	ND		ug/i	2,5		1
2 Chloroethylvinyl ether	ND		ug/l	10		1
Carbon tetrachloride	ND		ug/l	0,50		1
1.2-Dichloropropane	ND		ug/l	1.0	22	1
Dibromochloromethane	ND		ug/I	0.50		1
1.1.2-Trichloroethane	ND		ug/I	1,5	22	1
Tetrachloroethene	ND		ug/l	0.50		1
Chlorobenzene	ND		ug/I	2,5	50	1
Trichlorofluoromethane	ND		ug/l	2.5		1
1_2-Dichloroethane	ND		ug/l	0.50		1
1_1_1-Trichloroethane	6.9		ug/l	2,5	22	1
trans-1,3-Dichloropropene	ND		ug/l	0.50		1
cis-1,3-Dichloropropene	ND		ug/l	0.50		1
Bromoform	ND		ug/l	2.0		1
1.1.2.2-Tetrachloroethane	ND		ug/l	0.50	12	1
Benzené	ND		ug/l	0.50		1
Toluene	ND		ug/l	2,5	72	1
Ethylbenzene	ND		ug/l	2.5		1
Chloromethane	ND		ug/l	2.5		1
Bromomethane	ND		ug/l	2.5	-	1
Vinyl chloride	ND		ug/l	1,0		1
Chloroethane	ND		ug/l	2,5		1
1.1-Dichloroethene	3.2		ug/l	0 50	2	1
trans-1,2-Dichloroethene	ND		ug/l	2.5		1
Trichloroethene	ND		ug/l	0.50	2	1
1.2-Dichlorobenzene	ND		ug/l	2.5		1



		Serial_No:07052213:28	
Project Name:	GROUNDWATER MONITORING	Lab Number: L2231587	
Project Number:	Not Specified	Report Date: 07/05/22	
	SAMPLE RESULTS		
Lab ID:	L2231587-01	Date Collected: 06/14/22 15:20	
Client ID:	MW-3	Date Received: 06/14/22	
Sample Location:	BUFFALO, NY	Field Prep: Not Specified	

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough Lab					
1,3-Dichlorobenzene	ND		ug/l	2.5	-	1
1,4-Dichlorobenzene	ND		ug/l	2.5		1
Acetone	ND		ug/l	50		1
2-Butanone	ND		ug/l	5.0		1
Bromochloromethane	ND		ug/l	2 5		1
Surrogate			% Recovery	Qualifier		eptance riteria
1,2-Dichloroethane-d4			117			70-130
Toluene-d8			97			70-130
4-Bromofluorobenzene			96			70-130
Dibromofluoromethane			118			70-130



			Serial_No	p:07052213:28
Project Name:	GROUNDWATER MON	ITORING	Lab Number:	L2231587
Project Number:	Not Specified		Report Date:	07/05/22
		SAMPLE RESULTS		
Lab ID:	L2231587-02		Date Collected:	06/14/22 14:00
Client ID:	MW-5		Date Received:	06/14/22
Sample Location:	BUFFALO, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix	Water			
Analytical Method:	1,8260C			
Analytical Date:	06/26/22 18:29			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - West	borough Lab					
Methylene chloride	ND		ug/l	2.5		1
1 1-Dichloroethane	ND		ug/l	2.5	-	1
Chloroform	ND		ug/i	2.5		1
2-Chloroethylvinyl ether	ND		ug/l	10	<u>80</u> 0	1
Carbon tetrachloride	ND		ug/l	0.50		1
1.2-Dichloropropane	ND		ug/l	1_0		1
Dibromochloromethane	ND		ug/l	0,50		1
1,1,2-Trichloroethane	ND		ug/I	1,5		1
Tetrachloroethene	ND		ug/I	0.50		1
Chlorobenzene	ND		ug/l	2.5		1
Trichlorofluoromethane	ND		ug/l	2.5		1
1,2-Dichloroethane	ND		ug/l	0.50		1
1,1,1-Trichloroethane	ND		ug/l	2.5		1
trans-1,3-Dichloropropene	ND		ug/l	0.50		1
cis-1,3-Dichloropropene	ND		ug/l	0.50	**	1
Bromoform	ND		ug/l	2.0		1
1,1,2,2-Tetrachloroethane	ND		ug/l	0 50	10	1
Benzene	ND		ug/l	0.50		1
Toluene	ND		ug/l	2,5	77	1
Ethylbenzene	ND		ug/l	2.5		1
Chloromethane	ND		ug/l	2.5	-	1
Bromomethane	ND		ug/l	2.5		1
Vinyl chloride	ND		ug/l	1.0		1
Chloroethane	ND		ug/l	2.5	-	1
1.1-Dichloroethene	ND		ug/l	0.50	2	1
trans-1,2-Dichloroethene	ND		ug/l	2.5		1
Trichloroethene	ND		ug/l	0.50	12	1
1.2-Dichlorobenzene	ND		ug/t	2.5		1



Analyst:

ΜV

		Serial_No:07052213:28	
Project Name:	GROUNDWATER MONITORING	Lab Number: L2231587	
Project Number:	Not Specified	Report Date: 07/05/22	
	SAMPLE RESULTS		
Lab ID:	L2231587-02	Date Collected: 06/14/22 14:00	
Client ID:	MW-5	Date Received: 06/14/22	
Sample Location:	BUFFALO, NY	Field Prep: Not Specified	

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	tborough Lab					
1,3-Dichlorobenzene	ND		ug/l	2 5		1
1,4-Dichlorobenzene	ND		ug/l	2.5		1
Acetone	ND		ug/l	5.0		1
2-Butanone	ND		ug/l	5.0	-	1
Bromochloromethane	ND		ug/l	2.5		1
Surrogate			% Recovery	Qualifier		eptance riteria
1,2-Dichloroethane-d4			118			70-130
Toluene-d8			96			70-130
4-Bromofluorobenzene			95			70-130
Dibromofluoromethane			119			70-130



			Serial_N	p:07052213:28
Project Name:	GROUNDWATER MONITO	DRING	Lab Number:	L2231587
Project Number:	Not Specified		Report Date:	07/05/22
		SAMPLE RESULTS		
Lab ID:	L2231587-03		Date Collected:	06/14/22 00:00
Client ID:	TRIP BLANK		Date Received:	06/14/22
Sample Location:	BUFFALO, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Water			
Analytical Method:	1,8260C			
Analytical Date:	06/26/22 18:56			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	estborough Lab					
Methylene chloride	ND		ug/l	2.5		1
1,1-Dichloroethane	ND		ug/I	2.5		1
Chloroform	ND		ug/l	2.5		1
2-Chloroethylvinyl ether	ND		ug/l	10		1
Carbon tetrachloride	ND		ug/I	0.50		1
1,2-Dichloropropane	ND		ug/I	1.0	12	1
Dibromochloromethane	ND		ug/l	0.50		1
1,1,2-Trichloroethane	ND		ug/l	1.5	<u></u>	1
Fetrachloroethene	ND		ug/l	0 50	**	1
Chlorobenzene	ND		ug/l	2,5	22	1
Frichlorofluoromethane	ND		ug/l	2.5		1
2-Dichloroethane	ND		ug/l	0.50	-	1
1 1-Trichloroethane	ND		ug/l	2,5		1
rans-1_3-Dichloropropene	ND		ug/l	0 50		1
is-1,3-Dichloropropene	ND		ug/l	0.50	77	1
Bromoform	ND		ug/l	2.0	24	1
1,2,2-Tetrachloroethane	ND		ug/l	0.50		1
Benzene	ND		ug/l	0 50		1
Foluene	ND		ug/l	2,5		1
Ethylbenzene	ND		ug/l	2.5		1
Chloromethane	ND		ug/i	2.5		1
Bromomethane	ND		ug/t	2.5		1
/inyl chloride	ND		ug/l	1.0		1
Chloroethane	ND		ug/l	2 5		1
1-Dichloroethene	ND		ug/l	0.50	22	1
rans-1,2-Dichloroethene	ND		ug/l	2.5		1
Frichloroethene	ND		ug/l	0.50	-22	1
1,2-Dichlorobenzene	ND		ug/l	2.5		1

Analyst.

ΜV

		Serial_No:07052213:28
Project Name:	GROUNDWATER MONITORING	Lab Number: L2231587
Project Number:	Not Specified	Report Date: 07/05/22
	SAMPLE RESULTS	
Lab ID:	L2231587-03	Date Collected: 06/14/22 00:00
Client ID:	TRIP BLANK	Date Received: 06/14/22
Sample Location:	BUFFALO, NY	Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL I	Dilution Factor
Volatile Organics by GC/MS - Wes	tborough Lab					
1.3-Dichlorobenzene	ND		ug/l	2.5	22	1
1.4-Dichlorobenzene	ND		ugл	2.5		1
Acetone	ND		ug/l	5.0		1
2-Butanone	ND		ug/l	5.0	-	1
Bromochloromethane	NÐ		ug/l	2.5		1
Surrogate			% Recovery	Qualifier	Accepta Criter	
1,2-Dichloroethane-d4			121		70-1	30

1,2-DICHOROEUTANE-04	121	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130
Dibromofluoromethane	123	70-130



METALS



Project Name:	GROL	GROUNDWATER MONITORING				Lab Nu	mber:	L2231587			
Project Number:	Not S	pecified					Report	Date:	07/05/2	2	
				SAMPL	E RES	ULTS					
Lab ID:	L2231	587-01					Date Co	pliected:	06/14/22	15:20	
Client ID:	MW-3						Date Re	eceived:	06/14/22	2	
Sample Location:	BUFF	ALO, NY					Field Pr	ep:	Not Spe	cified	
Sample Depth:											
Matrix:	Water										
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mans	field Lab									NA FRAN	
Arsenic, Total	0.011		mg/l	0.005		1	06/23/22 17:03	3 07/01/22 11:21	EPA 3005A	1,6010D	SB

1



Serial_No:07052213:28

1.6010D

EW

06/23/22 17:03 06/30/22 13:09 EPA 3005A

Barium, Total

0.142

mg/l

0.010

Serial_No:07052213:28

Project Name:	GROUNDWATER MONITORING	Lab Number:	L2231587
Project Number:	Not Specified	Report Date:	07/05/22
	SAMPLE RESULTS		
Lab ID:	L2231587-02	Date Collected:	06/14/22 14:00
Client ID:	MW-5	Date Received:	06/14/22
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Sample Depth:			

Water

Matrix:

Analytical Method Prep Method Dilution Date Date Factor Prepared Analyzed Analyst Qualifier Units RL MDL Parameter Result **Total Metals - Mansfield Lab** 0.005 06/23/22 17:03 07/01/22 11:26 EPA 3005A 0.009 1,6010D SB 1 Arsenic, Total mg/I ... 1 06/23/22 17:03 06/30/22 13:14 EPA 3005A 1,6010D EW 0.195 0.010 Barium, Total mg/l _



INORGANICS & MISCELLANEOUS



Serial No:07052213:28	Serial	No:07	05221	3:28
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							001101_110.01	002270:20	
Project Name: Project Number:	GROUNDWATER M Not Specified	ONITOF	ING				lumber: rt Date:	L2231587 07/05/22	
			SAMPLE	RESUL	rs				
Lab ID: Client ID: Sample Location:	L2231587-01 MW-3 BUFFALO, NY						Collected: Received: Pren:	06/14/22 15:20 06/14/22 Not Specified)
Sample Depth: Matrix:	Water						riep.		
Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - We	stborough Lab								
urbidity	4.9	NTU	0.20	27	1		06/15/22 06:3	35 121,2130B	MR



							Serial_No:07	052213:28	
Project Name:	GROUNDWATER M	IONITOF	RING			Lab N	lumber:	L2231587	
Project Number:	Not Specified					Repo	rt Date:	07/05/22	
			SAMPLE	RESUL	TS				
Lab ID:	L2231587-02					Date	Collected:	06/14/22 14:00)
Client ID:	MW-5					Date i	Received:	06/14/22	
Sample Location:	BUFFALO, NY					Field	Prep:	Not Specified	
Sample Depth:									
Matrix:	Water								
Parameter	Result Qualifie	r Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - We	stborough Lab								
urbidity	5.0	NTU	0.20		1		06/15/22 06:3	5 121,2130B	MR



GROUNDWATER MONITORING Project Number: Not Specified Project Name:

Lab Number: L2231587 Serial_No:07052213:28 Report Date: 07/05/22

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Custody Seal Absent Cooler

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Container Information	rmation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	Hd	Hď	deg C	Pres	Seal	Date/Time	Analysis(*)
L2231587-01A	Vial HCI preserved	۷	AN		3.4	۲	Absent		NYTCL-8260(14)
L2231587-01B	Vial HCI preserved	۷	٨A		3.4	۲	Absent		NYTCL-8260(14)
L2231587-01C	Vial HCI preserved	۷	NA		3.4	۲	Absent		NYTCL-8260(14)
L2231587-01D	Plastic 250ml HNO3 preserved	٨	ç	\$	3.4	۶	Absent		AS-TI(180),BA-TI(180)
L2231587-01E	Plastic 250ml unpreserved	A	7	7	3.4	۲	Absent		3
L2231587-01F	Plastic 250ml unpreserved	۲	7	7	3.4	۲	Absent		TURB-2130(2)
L2231587-01X	Plastic 120ml HNO3 preserved Filtrates	۲	AN		3.4	۲	Absent		HOLD-METAL-DISSOLVED(180)
L2231587-02A	Vial HCI preserved	۲	NA		3.4	۲	Absent		NYTCL-8260(14)
L2231587-02B	Vial HCI preserved	٩	AN		3.4	۲	Absent		NYTCL-8260(14)
L2231587-02C	Vial HCI preserved	۷	AN		3.4	۲	Absent		NYTCL-8260(14)
L2231587-02D	Plastic 250ml HNO3 preserved	۲	\$	~	3.4	۲	Absent		BA-TI(180),AS-TI(180)
L2231587-02E	Plastic 250ml unpreserved	۷	7	7	3.4	۲	Absent		•
L2231587-02F	Plastic 250ml unpreserved	٨	7	7	3.4	۲	Absent		TURB-2130(2)
L2231587-02X	Plastic 120ml HNO3 preserved Filtrates	۷	AN		3.4	۲	Absent		HOLD-METAL-DISSOLVED(180)
L2231587-03A	Vial HCI preserved	۲	٩N		3.4	۲	Absent		NYTCL-8260(14)
L2231587-03B	Vial HCI preserved	۷	٩N		3.4	۲	Absent		NYTCL-8260(14)





Serial_No:07052213:28

Project Name: GROUNDWATER MONITORING

Project Number: Not Specified

 Lab Number:
 L2231587

 Report Date:
 07/05/22

GLOSSARY

Acronyms

DL	 Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	 Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	 Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS
LFB	 Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes
LOD	 Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	 Limit of Quantitation. The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation. The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable (DoD report formats only.)
MDI.	 Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	 Matrix Spike Sample. A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	Matrix Spike Sample Duplicate: Refer to MS
NA	- Not Applicable
NC	- Not Calculated. Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
	- N-Nitrosodiphenylamine/Diphenylamine
NI	- Not Ignitable
NP	- Non-Plastic Term is utilized for the analysis of Atterberg Limits in soil
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	 Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	 Relative Percent Difference. The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples
STLP	Semi-dynamic Tank Leaching Procedure per EPA Method 1315
TEF	- Toxic Equivalency Factors' The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	 Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.
Report Form	at: DU Report - No QC



Project Name: GROUNDWATER MONITORING Project Number: Not Specified

Lab Number: L2231587 Report Date: 07/05/22

Footnotes

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

Terms

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Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as L8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report. Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable

PAH Total. With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(i)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Fluorente, Indeno(1,2,3-cd)pyrene, Dibenz(a)+(a)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total; With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL, Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria Results are considered to be an estimated maximum concentration
- G The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated
- 11 The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- 1 The lower value for the two columns has been reported due to obvious interference
- J Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs)
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: DU Report - No QC



Project Name: GROUNDWATER MONITORING

Project Number: Not Specified

Lab Number: L2231587 Report Date: 07/05/22

Data Qualifiers

- ND Not detected at the reporting limit (RL) for the sample.
- NJ Presumptive evidence of compound, This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P The RPD between the results for the two columns exceeds the method-specified criteria.
- Q The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R Analytical results are from sample re-analysis.
- RE Analytical results are from sample re-extraction
- S Analytical results are from modified screening analysis.
- The surrogate associated with this target analyte has a recovery outside the QC acceptance limits (Applicable to MassDEP DW Compliance samples only.)
- The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only)

Report Format: DU Report - No QC



Project Name: GROUNDWATER MONITORING Project Number: Not Specified
 Lab Number:
 L2231587

 Report Date:
 07/05/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene,

EPA 8270D/8270E: <u>NPW</u>: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; <u>SCM</u>: Dimethylnaphthalene, 1,4-Diphenylhydrazine, **SM4500**: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene. Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate: EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP. Microbiology; SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics, EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil. Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

Non-Potable Water EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn, EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn. EPA 245.1 Hg. SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:07052213:28

Ацена	NEW YORK CHAIN OF CUSTODY	Service Centers Harwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Valker Vřay Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Rd, Suite 5 'ay oper Ave, Suite 10:		Page		Dat	Date Rec'd in Lab	0	alz	ALPHA Job # [58]
Westborough, MA 01561 B Walkup Dr. TEL 429 April 422	Manufield, MA 02048 320 Forbes Bivd	Project Information					Deliverables	les D.A		ASP.R	Billing Information
FAX 508-398-9193	FAX 508-622-3288	Project Location	Buffalo, NY	Subattion 1] 🗆	EQUIS (1 File)	- 	EQuIS (4 File)	P0*
Client Information		Project #					Other	ler.		100 ×	
Client: Honeywell		(Use Project name as Project #)	ject #)				Regulato	Regulatory Requirement	iment		Disposal Site Information
Address. 20 Peabody Street	y Street	Project Manager:	Diana Overton	r.			ž	NY TOGS		NY Part 375	Please identify below location of
Buffato, NY 14120		ALPHAQuote #:					AW	AWO Standards	16	NY CP-51	applicable disposal facilities.
Phone: 716-827-6318	318	Turn-Around Time			ale l'		ž	NY Restricted Use	Use	Other	Disposal Facility
Fax 716-827-6221	221	Standard	5	Due Date:			ž	NY Unreshicted Use	d Use		N N
Email: diana.oven	diana.overton@honeywell.com	Rush (only if pre approved)		# of Days	1		ž	NYC Sewer Discharge	scharge		Other:
These samples have b	These samples have been previously analyzed by Alpha	d by Alpha	1000	000			ANALYSIS	S			Sample Filtration
Other project specifik Soluble Metals to be fil	Other project specific requirements/comments: Soluble Metals to be filtered and preserved by the I	ab, Soluble Metals	only need to be analyzed if Turbidity exceed 50	s analyzed if	Turbidity exce		C (Jeali)	is Speci			
									130		
Please specify Metais or TAL	s or TAL.						09-60		Z-8		Lab to do
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ALPHA Lab ID			Colie	Collection	Samole	Samoler's					
(Lab Use Only)	e N	Sample ID	Date	Time	Matrix	-	's∀	LγN			Sample Specific Comments
1 arts	MW-3		114/2022	1520	MM	£	××	×	×		Lab Filtru 6
da .	MW-5		2205/H/9	1400	ww	P			×		Lab Filter 6
203	Trip Blank			1	Di Water	F		×			2
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Form No: 01-25 (rev. 30-Sept-2013)	ept-2013)	2									
Page 24 of 24											

Appendix C – Annual Site Evaluation

Site-Wide Inspection Form (Annual and Emergency)

Honeywell, Inc. Buffalo Research Laboratory Buffalo, New York

SECTION I. GENERAL INFORMATION

Inspector Name and Names of Others Pres	Title: MATE Ka sent During Inspect	ion: N/2 Manger	
Date of Inspection: Date of Last Inspection		Time of Inspection:	
Weather: <u>SSº F</u> ,	windy, partly	g Sinny	

SECTION II. INSTITUTIONAL & ENGINEERING CONTROLS

Complete a Cover Inspection Form (in fulfillment of either the quarterly/annual or emergency requirements). Attach the form to this one, and answer the following questions.

1. Is the Site use consistent with Institutional Controls laid out in the Environmental Easement? These include relegation of the Site to industrial use, prohibition of groundwater use, and the prohibition of vegetable growing/farming, and annual certifications.



- 2. Do the Engineering Controls laid out in the Site Management Plan (SMP) continue to be in place and effective, as evidenced by continued and current Site cover and Groundwater Monitoring Programs, in accordance with the Site Monitoring Plan (Section 4.0 of the SMP) and Cover Repair Plan (Section 7.0 of the SMP)?
 - res No
- 3. Has the Site gone without any non-routine management activities that are not already covered by an Excavation Work Plan?



4. Has the Site complied with all permit and reporting requirements since the completion of the last Site-wide Inspection?



5. Are all Site records up to date?

es) No

IDENTIFICATION OF SITUATIONS REQUIRING ACTION SECTION III.

If you answered "No" to any questions in Section II, complete the following (place a check next to each item to verify completion):

- _1. Attach a detailed description of the reason(s) for which you answered "No" in Section II. Include photographs as appropriate.
- 2. Identify on an attached Site Plan the approximate location of the area(s) for which you answered "Yes" in Section II, if applicable.
- 3. Immediately notify and provide a copy of this form to the Honeywell HSE Manager or designee so that corrective action can be implemented in accordance with the Site Monitoring and Cover Repair Plans (Sections 4.0 and 7.0 of the Site Management Plan). Obtain HSE Manager or designee signature below.

SECTION IV. SIGNATURES Required for each inspection:

- Mari Kadfac-Inspector

<u>s/ra/22</u> Date

If required by Section III:

Milla HSE Manager

5/17/20 Date

or

HSE Manager Designee

Date

Attachments (List):

Filing Requirements:

Original to Inspection Form file Copy to HSE Manager or designee Copy to be included in Periodic Review Report Appendix D - Site Soil Disturbance Events Documentation – Concrete Sidewalk and Stormwater Grading Project



ADVANCED MATERIALS 20 Peabody Street Buffalo, NY 14210 www.honeywell.com

1/30/2023

Mr. Joshua Vaccaro NYS Department of Environmental Conservation 270 Michigan Avenue Buffalo, NY 14203-2915

Re: Site Management Plan – Sidewalk Replacement Project B514/516 NYSDEC Site Number 915002

Dear Mr. Vaccaro:

Honeywell completed a sidewalk replacement and stormwater grading project at the site in 2022. The area of sidewalk replacement and stormwater grading was partially in Area #2 as defined in the Site Management Plan. Area #2, as described in the Site Management Plan, has had arsenic concentrations from 46.8 to 343 mg/kg. Occhino Corporation removed/replaced older concrete sidewalks and performed soil grading/repair for stormwater flow between buildings 514/516 and 513. Approximately 4,900 square feet of sidewalk was replaced in this area. See attached map for approximate locations of the sidewalk replacement and stormwater grading.

All disturbed soil was excavated/graded and staged for sampling and disposal. Soil was staged on poly sheeting and covered with poly sheeting until the sample results were received. The soil analytical results show total arsenic levels of 79.8 mg/kg and TCLP arsenic levels of 0.0259 mg/l in the composite sample. The stone backfill for the new sidewalks obtained from Occhino Corp from New Enterprise Stone and Gravel – Werhle Drive Location. The soil disposal was handled through Veolia to an approved landfill (Waste Management -Chaffee). Approximately 101.38 tons of soil was disposed of at the Waste Management Chaffee landfill from this project.

The notice of excavation, photos, waste manifests, and weight tickets are attached.

Honeywell

ADVANCED MATERIALS 20 Peabody Street Buffalo, NY 14210 www.honeywell.com

9/15/2022

Mr. Joshua Vaccaro NYS Department of Environmental Conservation 270 Michigan Avenue Buffalo, NY 14203-2915

Re: Site Management Plan – Notice of Excavation NYSDEC Site Number 915002

Dear Mr. Vaccaro:

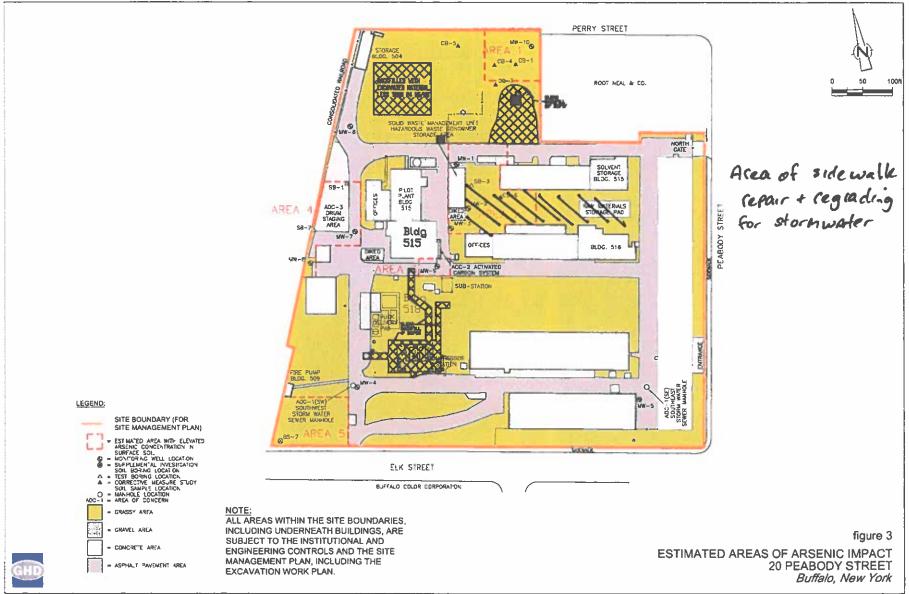
Please accept this notification of excavation for the Buffalo Research Laboratory. We will be replacing concrete sidewalks and performing some limited soil grading for stormwater flow in the area marked on the attached map. We anticipate some soil disturbance from 0-6 inches in depth around the sidewalks. We will also bring in clean topsoil for the grading activities.

We anticipate less than one week of work starting the first week in October. We will follow the excavation work plan as detailed in our Site Management Plan. Concrete will be disposed of as C&D debris. Any underlying or graded soil will be stockpiled for testing and disposal. We will seed any exposed/disturbed soil after completion of the project.

Please contact me at 716-471-3158 or if you have any questions.

Best Regards,

Matt Kandefer HSE Manager



33979-00(003)GN-NI003 AUG 11/2017

3



ADVANCED MATERIALS 20 Peabody Street Buffalo, NY 14210 www.honeywell.com

Photos:





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ANALYTICAL REPORT

Lab Number:	L2301349
Client:	Honeywell 20 Peabody Street Buffalo, NY 14120
ATTN: Phone: Project Name:	Matthew Kandefer (716) 827-6318 TCLP ANALYSIS
Project Number:	A001358408
Report Date:	01/17/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Serial_No:01172310:57

L2301349

01/10/23

Lab Number:

01/09/23 15:30

Project Numb	er: A001358408			Report Date:	01/17/23
Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2301349-01	SOIL 1	SOLID	Not Specified	01/09/23 15:00	01/10/23

WATER

Not Specified



Project Name:

L2301349-02

TCLP ANALYSIS

NEMO

Project Name: TCLP ANALYSIS Project Number: A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.



Project Name: TCLP ANALYSIS Project Number: A001358408
 Lab Number:
 L2301349

 Report Date:
 01/17/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

TCLP Volatiles

L2301349-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

TCLP Semivolatiles

The WG1733390-2/-3 LCS/LCSD recoveries, associated with L2301349-02, are below the acceptance criteria for pyridine (4%/6%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

The WG1732825-3 MS recovery for arsenic (59%), performed on L2301349-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:

Cattlin Wallen Caitlin Walukevich

Title: Technical Director/Representative

Date: 01/17/23



ORGANICS



VOLATILES



			Serial_N	o:01172310:57
Project Name:	TCLP ANALYSIS		Lab Number:	L2301349
Project Number:	A001358408		Report Date:	01/17/23
		SAMPLE RESULTS		
Lab ID:	L2301349-01		Date Collected:	01/09/23 15:00
Client ID:	SOIL 1		Date Received:	01/10/23
Sample Location:	Not Specified		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Solid			
Analytical Method:	1,8260D			
Analytical Date:	01/13/23 10:39			
Analyst:	JIC			
Percent Solids:	82%			
TCLP/SPLP Ext. Da	ate: 01/12/23 11:25			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Wes	stborough Lab					
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	132	Q	70-130	
Toluene-d8	97		70-130	
4-Bromofluorobenzene	100		70-130	
dibromofluoromethane	116		70-130	



				Serial_No	p:01172310:57
Project Name:	TCLP ANALYSIS			Lab Number:	L2301349
Project Number:	A001358408			Report Date:	01/17/23
			SAMPLE RESULTS		
Lab ID: Client ID: Sample Location:	L2301349-02 NEMO Not Specified	D		Date Collected: Date Received: Field Prep:	01/09/23 15:30 01/10/23 Not Specified
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 1,8260D 01/16/23 08:22 MCM				

TCLP/SPLP Ext. Date: 01/13/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westb	orough Lab					
Chloroform	ND			150	44.	200
			ug/l			
Carbon tetrachloride	ND		ug/l	100	27.	200
Tetrachloroethene	990		ug/l	100	36.	200
Chlorobenzene	ND		ug/l	100	36.	200
1,2-Dichloroethane	ND		ug/l	100	26.	200
Benzene	ND		ug/l	100	32.	200
Vinyl chloride	ND		ug/l	200	14.	200
1,1-Dichloroethene	ND		ug/l	100	34.	200
Trichloroethene	ND		ug/l	100	35.	200
1,4-Dichlorobenzene	ND		ug/l	500	37.	200
2-Butanone	ND		ug/l	1000	390	200

Surrogate	% Recovery	A Qualifier	cceptance Criteria	
1,2-Dichloroethane-d4	97		70-130	
Toluene-d8	98		70-130	
4-Bromofluorobenzene	94		70-130	
dibromofluoromethane	111		70-130	



Project Name:	TCLP ANALYSIS	Lab Number:	L2301349
Project Number:	A001358408	Report Date:	01/17/23

Method Blank Analysis Batch Quality Control

Analytical Method:	1,8260D
Analytical Date:	01/13/23 07:25
Analyst:	MCM
TCLP/SPLP Extraction Date:	01/12/23 11:06

Extraction Date: 01/12/23 11:06

Parameter	Result	Qualifier Units	RL	MDL	
CLP Volatiles by EPA 1311 -	Westborough Lal	o for sample(s):	01 Batch:	WG1733273-5	
Chloroform	ND	ug/l	7.5	2.2	
Carbon tetrachloride	ND	ug/l	5.0	1.3	
Tetrachloroethene	ND	ug/l	5.0	1.8	
Chlorobenzene	ND	ug/l	5.0	1.8	
1,2-Dichloroethane	ND	ug/l	5.0	1.3	
Benzene	ND	ug/l	5.0	1.6	
Vinyl chloride	ND	ug/l	10	0.71	
1,1-Dichloroethene	ND	ug/l	5.0	1.7	
Trichloroethene	ND	ug/l	5.0	1.8	
1,4-Dichlorobenzene	ND	ug/l	25	1.9	
2-Butanone	ND	ug/l	50	19.	

			Acceptance	
Surrogate	%Recovery	Qualifier	Criteria	_
				_
1,2-Dichloroethane-d4	121		70-130	
Toluene-d8	100		70-130	
4-Bromofluorobenzene	98		70-130	
dibromofluoromethane	110		70-130	



Project Name:	TCLP ANALYSIS	Lab Number:	L2301349
Project Number:	A001358408	Report Date:	01/17/23

Method Blank Analysis Batch Quality Control

Analytical Method:	1,8260D
Analytical Date:	01/16/23 05:43
Analyst:	MCM
TCLP/SPLP Extraction Date:	01/13/23 12:00

Extraction Date: 01/13/23 12:00

arameter	Result	Qualifier Units	RL	MDL	
CLP Volatiles by EPA 131	1 - Westborough Lab	for sample(s):	02 Batch:	WG1733812-5	
Chloroform	ND	ug/l	0.75	0.22	
Carbon tetrachloride	ND	ug/l	0.50	0.13	
Tetrachloroethene	ND	ug/l	0.50	0.18	
Chlorobenzene	ND	ug/l	0.50	0.18	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	
Benzene	ND	ug/l	0.50	0.16	
Vinyl chloride	ND	ug/l	1.0	0.07	
1,1-Dichloroethene	ND	ug/l	0.50	0.17	
Trichloroethene	ND	ug/l	0.50	0.18	
1,4-Dichlorobenzene	ND	ug/l	2.5	0.19	
2-Butanone	ND	ug/l	5.0	1.9	

			Acceptance
Surrogate	%Recovery	Qualifier	Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	112		70-130



Lab Control Sample Analysis Batch Quality Control

Lab Number: L2301349 Report Date: 01/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough	Lab Associated	l sample(s): 0	1 Batch: WG	1733273-3	WG1733273-4			
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		99		75-130	1		25
1,2-Dichloroethane	110		110		70-130	0		20
Benzene	100		100		70-130	0		25
Vinyl chloride	100		99		55-140	1		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		110		70-130	10		25
1,4-Dichlorobenzene	94		96		70-130	2		20
2-Butanone	93		95		63-138	2		20

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113	110	70-130
Toluene-d8	107	102	70-130
4-Bromofluorobenzene	96	94	70-130
dibromofluoromethane	104	100	70-130



Lab Control Sample Analysis Batch Quality Control

Lab Number: L2301349 Report Date: 01/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough	Lab Associated	sample(s):	02 Batch: WG	1733812-3	WG1733812-4			
Chloroform	99		96		70-130	3		20
Carbon tetrachloride	100		99		63-132	1		20
Tetrachloroethene	99		97		70-130	2		20
Chlorobenzene	94		94		75-130	0		25
1,2-Dichloroethane	92		92		70-130	0		20
Benzene	97		97		70-130	0		25
Vinyl chloride	99		95		55-140	4		20
1,1-Dichloroethene	98		96		61-145	2		25
Trichloroethene	94		92		70-130	2		25
1,4-Dichlorobenzene	93		93		70-130	0		20
2-Butanone	90		91		63-138	1		20

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95	101	70-130
Toluene-d8	100	100	70-130
4-Bromofluorobenzene	90	91	70-130
dibromofluoromethane	106	107	70-130



SEMIVOLATILES



			Serial_No	0:01172310:57
Project Name:	TCLP ANALYSIS		Lab Number:	L2301349
Project Number:	A001358408		Report Date:	01/17/23
		SAMPLE RESULTS		
Lab ID:	L2301349-02		Date Collected:	01/09/23 15:30
Client ID:	NEMO		Date Received:	01/10/23
Sample Location:	Not Specified		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Water		Extraction Method	I: EPA 3510C
Analytical Method:	1,8270E		Extraction Date:	01/14/23 02:31
Analytical Date:	01/15/23 21:14			
Analyst:	CMM			
	oto: 04/44/00 40.55			
TCLP/SPLP Ext. Da	ate: 01/11/23 12:55			

Result	Qualifier	Units	RL	MDL	Dilution Factor				
TCLP Semivolatiles by EPA 1311 - Westborough Lab									
			10	2.4	1				
					•				
ND		ug/l	25	1.9	1				
ND		ug/l	10	3.0	1				
ND		ug/l	10	2.2	1				
ND		ug/l	10	3.3	1				
ND		ug/l	25	2.5	1				
ND		ug/l	50	9.8	1				
ND		ug/l	25	5.5	1				
ND		ug/l	25	2.8	1				
ND		ug/l	25	1.9	1				
ND		ug/l	18	4.5	1				
	ND ND ND ND ND ND ND ND ND ND ND ND ND	ough Lab ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ug/l ND ug/l	ND ug/l 10 ND ug/l 25 ND ug/l 10 ND ug/l 10 ND ug/l 10 ND ug/l 10 ND ug/l 25 ND ug/l 50 ND ug/l 25 ND ug/l 25	ND ug/l 10 3.4 ND ug/l 25 1.9 ND ug/l 10 3.0 ND ug/l 10 3.0 ND ug/l 10 2.2 ND ug/l 10 2.2 ND ug/l 10 3.3 ND ug/l 50 9.8 ND ug/l 50 9.8 ND ug/l 25 5.5 ND ug/l 25 2.8 ND ug/l 25 1.9				

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	75	21-120	
Phenol-d6	71	10-120	
Nitrobenzene-d5	69	23-120	
2-Fluorobiphenyl	79	15-120	
2,4,6-Tribromophenol	90	10-120	
4-Terphenyl-d14	76	33-120	



Project Name:TCLP ANALYSISProject Number:A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Method Blank Analysis Batch Quality Control

Analytical Method:	1,8270E
Analytical Date:	01/15/23 18:29
Analyst:	CMM
TCLP/SPLP Extraction Date:	01/11/23 12:55

Extraction Method: EPA 3510C Extraction Date: 01/14/23 02:31

Parameter	Result C	ualifier Units	RL	MDL
CLP Semivolatiles by EPA 1311	- Westborough	_ab for sample(s):	02 Batch:	WG1733390-1
Hexachlorobenzene	ND	ug/l	10	3.4
2,4-Dinitrotoluene	ND	ug/l	25	1.9
Hexachlorobutadiene	ND	ug/l	10	3.0
Hexachloroethane	ND	ug/l	10	2.2
Nitrobenzene	ND	ug/l	10	3.3
2,4,6-Trichlorophenol	ND	ug/l	25	2.5
Pentachlorophenol	ND	ug/l	50	9.8
2-Methylphenol	ND	ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND	ug/l	25	2.8
2,4,5-Trichlorophenol	ND	ug/l	25	1.9
Pyridine	ND	ug/l	18	4.5

A	cceptance
covery Qualifier	Criteria
58	21-120
54	10-120
49	23-120
63	15-120
60	10-120
64	33-120
	19 33 60



Lab Control Sample Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number: L2301349 Report Date: 01/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	% Qual	6Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westbord	ough Lab Assoc	iated sample(s)	: 02 Batch:	WG1733390-2	2 WG1733390-3	3		
Hexachlorobenzene	72		68		40-140	6		30
2,4-Dinitrotoluene	68		68		40-132	0		30
Hexachlorobutadiene	64		56		28-111	13		30
Hexachloroethane	50		45		21-105	11		30
Nitrobenzene	56		52		40-140	7		30
2,4,6-Trichlorophenol	76		72		30-130	5		30
Pentachlorophenol	71		68		9-103	4		30
2-Methylphenol	66		62		30-130	6		30
3-Methylphenol/4-Methylphenol	72		70		30-130	3		30
2,4,5-Trichlorophenol	82		77		30-130	6		30
Pyridine	4	Q	6	Q	10-66	33	Q	30

LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
67	60	21-120
60	57	10-120
58	53	23-120
73	71	15-120
79	75	10-120
66	64	33-120
	%Recovery Qual 67 60 58 73 79	%Recovery Qual %Recovery Qual 67 60 57 60 57 58 53 73 71 75



METALS



Serial_No:01172310:57

L2301349

01/17/23

Project Name:	TCLP ANALYSIS
Project Number:	A001358408

Lab ID:L2301349-01Client ID:SOIL 1Sample Location:Not Specified

Sample Depth:

Matrix: Solid Percent Solids: 82%

Report Date:

Lab Number:

Date Collected:01/09/23 15:00Date Received:01/10/23Field Prep:Not Specified

TCLP/SPLP Ext. Date: 01/11/23 16:15

	00.00										
Percent Solids:	82%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
TCLP Metals by Ef	PA 1311 -	Mansfield	Lab								
Arsenic, TCLP	0.0259	J	mg/l	1.00	0.0190	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW
Barium, TCLP	0.473	J	mg/l	0.500	0.0210	1	01/13/23 15:48	3 01/15/23 17:03	EPA 3015	1,6010D	AMW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW
Lead, TCLP	0.0409	J	mg/l	0.500	0.0270	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/13/23 15:30	01/16/23 08:40	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	01/13/23 15:48	3 01/15/23 14:46	EPA 3015	1,6010D	AMW

SAMPLE RESULTS



Serial_No:01172310:57

Project Name:	TCLP	ANALYSI	S				Lab Nu	imber:	L23013	49	
Project Number:	A0013	58408					Report	Date:	01/17/2	3	
				SAMPL	E RES	ULTS					
Lab ID:	L2301	349-01					Date Co	ollected:	01/09/23	15:00	
Client ID:	SOIL 1	l					Date Re	eceived:	01/10/23	•	
Sample Location:	Not Sp	pecified					Field Pi	rep:	Not Spec	cified	
Sample Depth:											
Matrix:	Solid										
Percent Solids:	82%					Dilution	Date	Dete	Dron	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Prepared	Date Analyzed	Prep Method	Method	Analyst
Total Metals - Mansf	ield Lab										



Serial_No:01172310:57

Project Name:	TCLP ANALYSIS
Project Number:	A001358408

Lab ID:L2301349-02Client ID:NEMOSample Location:Not Specified

Sample Depth:

Matrix:

Water

Lab Number: L2301349 Report Date: 01/17/23 Date Collected: 01/09/23 15:30 Date Received: 01/10/23 Field Prep: Not Specified

TCLP/SPLP Ext. Date: 01/11/23 12:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by El	PA 1311 -	Mansfield I	_ab								
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	01/13/23 15:48	3 01/13/23 19:56	EPA 3015	1,6010D	DMB
Barium, TCLP	ND		mg/l	0.500	0.0210	1	01/13/23 15:48	3 01/13/23 21:05	EPA 3015	1,6010D	GCL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	01/13/23 15:48	3 01/13/23 19:56	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	01/13/23 15:48	3 01/13/23 19:56	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	01/13/23 15:48	8 01/13/23 19:56	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/13/23 15:30	01/16/23 16:03	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	01/13/23 15:48	3 01/13/23 19:56	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	01/13/23 15:48	8 01/13/23 19:56	EPA 3015	1,6010D	DMB

SAMPLE RESULTS



Project Name:TCLP ANALYSISProject Number:A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytica Method	
Total Metals - Man	sfield Lab for sample(s):	01 Batch	n: WG17	732825-	1				
Arsenic, Total	ND	mg/kg	0.400	0.083	1	01/12/23 20:45	01/13/23 12:33	1,6010D	DMB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1	1311 - Mansfield Lab	for sample	e(s): 02	Batch:	WG17331	85-1			
Arsenic, TCLP	ND	mg/l	1.00	0.0190	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB
Barium, TCLP	ND	mg/l	0.500	0.0210	1	01/13/23 15:48	01/13/23 20:58	1,6010D	GCL
Cadmium, TCLP	ND	mg/l	0.100	0.0100	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB
Chromium, TCLP	ND	mg/l	0.200	0.0210	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB
Lead, TCLP	ND	mg/l	0.500	0.0270	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB
Selenium, TCLP	ND	mg/l	0.500	0.0350	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB
Silver, TCLP	ND	mg/l	0.100	0.0280	1	01/13/23 15:48	01/13/23 19:49	1,6010D	DMB

Prep	Information
------	-------------

Digestion Method:	EPA 3015
TCLP/SPLP Extraction Date:	01/11/23 12:55

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
TCLP Metals by EPA 1	311 - Mansfield Lab	for sample	e(s): 02	Batch:	WG17331	87-1			
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	01/13/23 15:30	01/16/23 15:50	1,7470A	DMB

Prep Information Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 01/11/23 12:55

Project Name:TCLP ANALYSISProject Number:A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA	1311 - Mansfield Lab	for sample	e(s): 01	Batch:	WG17332	29-1			
Arsenic, TCLP	ND	mg/l	1.00	0.0190	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW
Barium, TCLP	ND	mg/l	0.500	0.0210	1	01/13/23 15:48	01/15/23 16:49	1,6010D	AMW
Cadmium, TCLP	ND	mg/l	0.100	0.0100	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW
Chromium, TCLP	ND	mg/l	0.200	0.0210	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW
Lead, TCLP	ND	mg/l	0.500	0.0270	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW
Selenium, TCLP	ND	mg/l	0.500	0.0350	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW
Silver, TCLP	ND	mg/l	0.100	0.0280	1	01/13/23 15:48	01/15/23 14:09	1,6010D	AMW

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 01/10/23 15:04

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
TCLP Metals by EPA	1311 - Mansfield Lab	for sample	e(s): 01	Batch:	WG17332	31-1			
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	01/13/23 15:30	01/16/23 08:23	3 1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A TCLP/SPLP Extraction Date: 01/10/23 15:04



Lab Control Sample Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number: L2301349 Report Date: 01/17/23

arameter	LCS %Recovery Qua	LCSD al %Recovery Qua	%Recovery I Limits	RPD	Qual RPD Limits
otal Metals - Mansfield Lab Associated sam	nple(s): 01 Batch: WG17	32825-2 SRM Lot Number	: D116-540		
Arsenic, Total	104	-	82-119	-	
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 02	Batch: WG1733185-2			
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	98	-	75-125	-	20
Cadmium, TCLP Chromium, TCLP	98 96	-	75-125 75-125	•	20 20
Chromium, TCLP	96	-	75-125	-	20

Mercury, TCLP	92	-	80-120	-	



Lab Control Sample Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number: L2301349 Report Date: 01/17/23

rameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 01	Batch: WG1733229-2			
Arsenic, TCLP	112		75-125	-	20
Barium, TCLP	96	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	110	-	75-125	-	20
Silver, TCLP	92	-	75-125	-	20
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 01	Batch: WG1733231-2			
Mercury, TCLP	91	-	80-120		



Matrix Spike Analysis Batch Quality Control

Project Name:	TCLP ANALYSIS
Project Number:	A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

arameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recove Qual Limits		Qual	RPD Limits
otal Metals - Mansfield Lat	o Associated sam	nple(s): 01	QC Batch I	D: WG173282	5-3 (QC Sample:	L2301349-01	Client ID: SC	DIL 1		
Arsenic, Total	79.8	11.2	86.4	59	Q	-	-	75-125	-		20
CLP Metals by EPA 1311	- Mansfield Lab A	ssociated	sample(s): 02	2 QC Batch	ID: WG	1733185-3	QC Sample:	: L2301349-02	Client ID:	NEMC)
Arsenic, TCLP	ND	1.2	1.39	116		-	-	75-125	-		20
Barium, TCLP	ND	20	18.4	92		-	-	75-125	-		20
Cadmium, TCLP	ND	0.53	0.557	105		-	-	75-125	-		20
Chromium, TCLP	ND	2	1.90	95		-	-	75-125	-		20
Lead, TCLP	ND	5.3	4.81	91		-	-	75-125	-		20
Selenium, TCLP	ND	1.2	1.36	113		-	-	75-125	-		20
Silver, TCLP	ND	0.5	0.571	114		-	-	75-125	-		20
CLP Metals by EPA 1311	- Mansfield Lab A	ssociated	sample(s): 02	2 QC Batch	ID: WG	1733187-3	QC Sample:	: L2301349-02	Client ID:	NEMC)
Mercury, TCLP	ND	0.025	0.0245	98		-	-	80-120	-		20
CLP Metals by EPA 1311	- Mansfield Lab A	ssociated	sample(s): 0 ⁻	1 QC Batch	ID: WG	1733229-3	QC Sample:	: L2301150-01	Client ID:	MS Sa	mple
Arsenic, TCLP	ND	1.2	1.41	118		-	-	75-125	-		20
Barium, TCLP	0.294J	20	19.7	98		-	-	75-125	-		20
Cadmium, TCLP	ND	0.53	0.582	110		-	-	75-125	-		20
Chromium, TCLP	ND	2	1.90	95		-	-	75-125	-		20
Lead, TCLP	0.135J	5.3	5.53	104		-	-	75-125	-		20
Selenium, TCLP	ND	1.2	1.33	111		-	-	75-125	-		20
Silver, TCLP	ND	0.5	0.455	91		-	-	75-125	-		20



		Matrix Spike Analysis Batch Quality Control		
Project Name:	TCLP ANALYSIS	Baton quality control	Lab Number:	L2301349
Project Number:	A001358408		Report Date:	01/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits RPD	RPD Limits
TCLP Metals by EPA 1311 -	· Mansfield Lab A	Associated	sample(s): 01	I QC Batch I	D: WG1733231-3	QC Sample: I	_2301150-01 Client ID:	MS Sample
Mercury, TCLP	ND	0.025	0.0229	92	-	-	80-120 -	20



Lab Duplicate Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number: L2301349 01/17/23 Report Date:

Parameter	Native Samp	le Dup	licate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01	QC Batch ID:	WG1732825-4	QC Sample:	L2301349-01	Client ID: SO	IL 1	
Arsenic, Total	79.8		69.3	mg/kg	14		20
CLP Metals by EPA 1311 - Mansfield Lab Associated s	sample(s): 02	QC Batch ID: \	NG1733185-4	QC Sample:	L2301349-02	Client ID:	NEMO
Arsenic, TCLP	ND		ND	mg/l	NC		20
Cadmium, TCLP	ND		ND	mg/l	NC		20
Chromium, TCLP	ND		ND	mg/l	NC		20
Lead, TCLP	ND		ND	mg/l	NC		20
Selenium, TCLP	ND		ND	mg/l	NC		20
Silver, TCLP	ND		ND	mg/l	NC		20
CLP Metals by EPA 1311 - Mansfield Lab Associated s	sample(s): 02	QC Batch ID: \	NG1733185-4	QC Sample:	L2301349-02	Client ID:	NEMO
Barium, TCLP	ND		ND	mg/l	NC		20
CLP Metals by EPA 1311 - Mansfield Lab Associated s	sample(s): 02	QC Batch ID: \	NG1733187-4	QC Sample:	L2301349-02	Client ID:	NEMO
Mercury, TCLP	ND		ND	mg/l	NC		20



Lab Duplicate Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number:

L2301349 01/17/23 Report Date:

arameter	Native Samp	Duplicate Sample	Units	RPD		RPD Limits
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG1733229-4	QC Sample:	L2301150-01	Client ID:	DUP Sample
Arsenic, TCLP	ND	ND	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.135J	0.125J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG1733229-4	QC Sample:	L2301150-01	Client ID:	DUP Sample
Barium, TCLP	0.294J	0.279J	mg/l	NC		20
CLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG1733231-4	QC Sample:	L2301150-01	Client ID:	DUP Sample
Mercury, TCLP	ND	ND	mg/l	NC		20



INORGANICS & MISCELLANEOUS



Project Name:	TCLP ANALYSIS	5					Lab N	lumber:	L2301349	
Project Number:	A001358408						Repo	rt Date:	01/17/23	
				SAMPLE	RESUL	rs				
Lab ID:	L2301349-01						Date	Collected:	01/09/23 15:00)
Client ID:	SOIL 1						Date	Received:	01/10/23	
Sample Location:	Not Specified						Field	Prep:	Not Specified	
Sample Depth:										
Matrix:	Solid									
Parameter	Result Qual	lifier L	Jnits	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab									
Solids, Total	82.2		%	0.100	NA	1	-	01/11/23 10:5	4 121,2540G	ROI



Serial No:01172310:57

Lab Number: L2301349 Report Date: 01/17/23

Project Name:TCLP ANALYSISProject Number:A001358408

SAMPLE RESULTS

Lab ID: Client ID: Sample Location:	L2301349-0 NEMO Not Specifie	_						Received: (01/09/23 15:30 01/10/23 Not Specified	
Sample Depth: Matrix:	Water									
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Wes	stborough Lat	C								
рН (Н)	8.4		SU	-	NA	1	-	01/16/23 21:18	3 121,4500H+-B	MDG
Flash Point	>150		deg F	70	NA	1	-	01/17/23 07:17	7 1,1010A	MRM
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	01/14/23 10:15	01/14/23 13:41	125,7.3	TMS
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	01/14/23 10:15	01/14/23 12:32	2 125,7.3	TMS



Project Name:TCLP ANALYSISProject Number:A001358408

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	r Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lab for sa	mple(s): 02	Batch:	WG17	/33263-1				
Sulfide, Reactive	ND	mg/l	1.0	1.0	1	01/14/23 10:15	01/14/23 12:30	125,7.3	TMS
General Chemistry	- Westborough Lab for sa	mple(s): 02	Batch:	WG17	/33264-1				
Cyanide, Reactive	ND	mg/l	1.0	1.0	1	01/14/23 10:15	01/14/23 13:40	125,7.3	TMS



Lab Control Sample Analysis Batch Quality Control

Project Name: TCLP ANALYSIS Project Number: A001358408

Lab Number: L2301349 Report Date: 01/17/23

Parameter	LCS %Recovery C	LCSD ual %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 0	2 Batch: WG1733263	-2				
Sulfide, Reactive	99	-		60-125	-		25
General Chemistry - Westborough Lab	Associated sample(s): 0	2 Batch: WG1733264	-2				
Cyanide, Reactive	84	-		30-125	-		25
General Chemistry - Westborough Lab	Associated sample(s): 0	2 Batch: WG1734009	-1				
рН	100	-		99-101	-		5
General Chemistry - Westborough Lab	Associated sample(s): 0	2 Batch: WG1734119	-1				
Flash Point	98	-		96-104	-		



Lab Duplicate Analysis Batch Quality Control

Project Name:TCLP ANALYSISProject Number:A001358408

Lab

 Lab Number:
 L2301349

 Report Date:
 01/17/23

Parameter	Native S	ample	Duplicate Sam	ple Unit	s RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01	QC Batch ID:	WG1732187-1	QC Sample:	L2301339-37	Client ID:	DUP Sample
Solids, Total	79.0)	79.6	%	1		20
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID:	WG1733263-3	QC Sample:	L2301349-02	Client ID:	NEMO
Sulfide, Reactive	ND	1	ND	mg/l	NC		25
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID:	WG1733264-3	QC Sample:	L2301349-02	Client ID:	NEMO
Cyanide, Reactive	ND		ND	mg/l	NC		25
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID:	WG1734009-2	QC Sample:	L2301288-01	Client ID:	DUP Sample
рН	6.7		6.6	SU	2		5



Project Name: TCLP ANALYSIS Project Number: A001358408

Serial_No:01172310:57 Lab Number: L2301349 Report Date: 01/17/23

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	pН		Pres	Seal	Date/Time	Analysis(*)
L2301349-01A	Plastic 2oz unpreserved for TS	А	NA		5.1	Y	Absent		TS(7)
L2301349-01B	Metals Only-Glass 60mL/2oz unpreserved	А	NA		5.1	Y	Absent		AS-TI(180)
L2301349-01C	Vial Large Septa unpreserved (4oz)	А	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L2301349-01D	Glass 250ml/8oz unpreserved	А	NA		5.1	Y	Absent		-
L2301349-01S	Vial unpreserved Extracts	А	NA		5.1	Y	Absent		TCLP-VOA(14)
L2301349-01T	Vial unpreserved Extracts	А	NA		5.1	Y	Absent		TCLP-VOA(14)
L2301349-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG- C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG- CI(180)
L2301349-01X9	Tumble Vessel	А	NA		5.1	Y	Absent		-
L2301349-02A	Vial unpreserved	А	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L2301349-02B	Vial unpreserved	А	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L2301349-02C	Vial unpreserved	А	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L2301349-02D	Amber 500ml unpreserved	A	7	7	5.1	Y	Absent		REACTS(7),REACTCN(7),FLASH(),PH- 4500(.01)
L2301349-02E	Plastic 950ml unpreserved	А	7	7	5.1	Y	Absent		-
L2301349-02F	Amber 1000ml unpreserved	А	7	7	5.1	Y	Absent		-
L2301349-02S	Vial unpreserved Extracts	А	NA		5.1	Y	Absent		TCLP-VOA(14)
L2301349-02T	Vial unpreserved Extracts	А	NA		5.1	Y	Absent		TCLP-VOA(14)
L2301349-02W	Amber 1000ml unpreserved Extracts	А	NA		5.1	Y	Absent		TCLP-8270(14)
L2301349-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG- C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG- CI(180)
L2301349-02X9	Tumble Vessel	А	NA		5.1	Y	Absent		-



Project Name: TCLP ANALYSIS

Project Number: A001358408

Lab Number: L2301349

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GLOSSARY

Acronyms

Acronyms	
DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	 Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	 Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Project Name: TCLP ANALYSIS

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Footnotes

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

Terms

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Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(a)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C -Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- **D** Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- **F** The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- J Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

- ND Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- **P** The RPD between the results for the two columns exceeds the method-specified criteria.
- Q The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- **R** Analytical results are from sample re-analysis.
- **RE** Analytical results are from sample re-extraction.
- **S** Analytical results are from modified screening analysis.
- V The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)



Project Name: TCLP ANALYSIS Project Number: A001358408
 Lab Number:
 L2301349

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; <u>SCM</u>: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: <u>NPW:</u> Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine. **SM4500**: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: <u>NPW:</u> PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187. **EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene. **Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP. Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics, EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II.

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs **EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn. **EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn. **EPA 245.1** Hg. **SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Albany, NY 12205: 14 Walker Wi Tonawanda, NY 14150: 275 Coo	ay .	05	Page	e 1 f 1		Date in I	Rec'o Lab		<i>יווי</i>	123		ALPHA JOD # 23361349
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information Project Name: Project Location:	TCLP Analy				Deliv	erable ASP- EQul Other	A S (1 F	ïle)		ASP- EQui	B S (4 File)	Billing Information Same as Client Info P0 #
Client Information Client: Honeywell	11/2 Tex 3/	Project # (Use Project name as Pro Project Manager:	A001358408 pject #)				Regu	latory NY TO	Requi	iremer		NY Pa	irt 375	Disposal Site Information Please identify below location of
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	been previously analyze c requirements/comm s or TAL.						Arsenic - 6010D / TS	TCLP-VOC		Flashpoint/pH/ Reactivity	TCLP-VOC	TCLP-SVOC	TCLP-RCRA8	Sample Filtration o Done t Lab to do l Preservation B (Please Specify below) t
ALPHA Lab ID (Lab Use Only)	Sa	mple ID	Coll Date	ection Time	Sample Matrix	Sampler's Initials	T. Ars		-	Flashp				Sample Specific Comments
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Preservative Code: A = None B = HCI C = HNO ₃ D = H ₂ SO ₄ E = NaOH	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup	Westboro: Certification No Mansfield: Certification No				itainer Type Preservative	l Albelic Nanc						j plasku Mall	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not
$E = NaOH$ $F = MeOH$ $G = NaHSO_4$ $H = Na_2S_2O_3$ $K/E = Zn Ac/NaOH$ $O = Other$	C = Cube O = Other E = Encore D = BOD Bottle	Relinquished E Matt Kandose [[m]		Date 1/10/2 1/10/2 3			Receiv	ved By	A	9c	_	123	/Time 1305 Ф. Ф.	LING DEAD AND AGDEEG
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	rator's Phone:	716 827-6	5318									
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	5. Generator's Name and Ma HONEYWELL INTE 20 PEABODY STRE BUFFALO, NY 142	3ET 10	KANDEFER		Generator's Site Address SAME	(if different th	an mailing addres	ss)	0040		0
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DOCUMENT 5. Generator's Name a	NYD00063231 and Mailing Address MATTHEW KANDEFF	1	3. Emergency Respo (877) 818-00	187			ent Tracking N	umber
20 PEABODY : BUFFALO, NY	STREET		Generator's Site Addre	ess (if differen	t than mailing add	ZZ tress)	0034	8475
Generator's Phone: 6. Transporter 1 Comp.	716 827-6318 any Name							
7. Transporter 2 Compa	DE NEW YOK LLC				U.S. EPA ID	Number		
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9	ame and Site Address WM OF NEW YORK, 10860 OLEAN ROAD CHAFFEE, NY 14030			-	U.S. EPA ID	Number	4	
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WASTE MANAGEM	ent Cl	aste Management C 0860 Olean Rd haffee, NY, 1403C h: (716) 496-500C)		Reprint Ticket#	740241
	01/30/2023 Credit Acco t t de 348474 OU 36145 TO 327213 (NH	ONAWANDA	Vehicle# 1 Container Driver Check# Billing # Gen EPA ID	DIG IT DIG IT C L12 0003761 NOT REQUIRED	F NY Volume	
	23 08:22:00 23 08:22:00	Scale INBOUND	Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	61380 lb 29260 lb 32120 lb 16.06

Prod	uct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	16.06	Tons				 ERI

WASTE MANAGEN	MENT	Waste Manageme 10860 Olean Ro Chaffee, NY, J Ph: (716) 496-	1 L4030		Reprint Ticket#	740244
Customer Name Ticket Date Payment Type Manual Ticket Hauling Ticket Route State Waste Co Manifest Destination PO Profile Generator	01/30/202 Credit Ad # t# ode 348476 OU 36145 327213 (1	23 ccount TONAWANDA	Vehicle# 1 Container Driver Check# Billing # Gen EPA ID	DIG IT DIG IT C 14 0003761 NOT REQUIRED	F NY Volume	
	23 08:34:2 23 08:34:2		Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	63140 lb 31080 lb 32060 lb 16.03

Prod	luct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	s 100	16.03	Tons				ERI

WASTE MANAGEMENT	Waste Management 10860 Olean Rd Chaffee, NY, 140 Ph: (716) 496-50	30		Reprint Ticket# 7	40245
Ticket Date 01/3 Payment Type Cred Manual Ticket# Hauling Ticket# Route State Waste Code Manifest 4521 Destination PO OU 3 Profile 3272		Vehicle# Container Driver Check# Billing # Gen EPA ID	SERAFINI INC MI 89 0003761 NOT REQUIRED	CHAEL SERAFIN Volume	I
Time In 01/30/2023 08 Out 01/30/2023 08 Comments		Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	60420 lb 31740 lb 28680 lb 14.34

Prod	luct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	 ₃ 100	14.34	Tons				ERI

WASTE MANAGEN	ent C	aste Management 0860 Olean Rd haffee, NY, 1403 h: (716) 496-500	30		Reprint Ticket#	740265
Customer Name Ticket Date Payment Type Manual Ticket Hauling Ticke Route State Waste C Manifest Destination PO Profile Generator	01/30/2023 Credit Acc # t# ode 452143 OU 36145 T 327213 (NH	ount ONAWANDA	Vehicle# 1 Container Driver Check# Billing # Gen EPA ID	IG IT DIG IT C 12 0003761 NOT REQUIRED	F NY Volume	
	23 10:35:55 23 10:35:55		Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	69380 lb 29260 lb 40120 lb 20.06

Proc	luct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	20.06	Tons				ERI

WASTE MANAGEN	® MENT	Waste Management 10860 Olean Rd Chaffee, NY, 140 Ph: (716) 496-50)30		Reprint Ticket#	740267
Customer Name Ticket Date Payment Type Manual Ticket Hauling Ticke Route State Waste C Manifest Destination PO Profile Generator	01/30/202 Credit Ac # t# ode 348475 OU 36145 327213 (N	count TONAWANDA	Vehicle# 1 Container Driver Check# Billing # Gen EPA ID	DIG IT DIG IT C L14 0003761 NOT REQUIRED	OF NY Volume	
	23 10:41:1 23 10:41:1		Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	74120 lb 31080 lb 43040 lb 21.52

Product		LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100 s 100	21.52	Tons				ERI

WASTE MANAGEM	International Entry 108	ste Management Ch 360 Olean Rd affee, NY, 14030 : (716) 496-5000	naffee LF		Reprint Ticket# 7	40269
	01/30/2023 Credit Accou # ode 452151 OU 36145 TON 327213 (NH S	JAWANDA	Vehicle# Container Driver Check# Billing # Gen EPA ID	SERAFINI INC MI 89 0003761 NOT REQUIRED	CHAEL SERAFIN Volume	I
	23 10:45:15 23 11:12:03		Operator JChapma7 JChapma7	Inbound	Gross Tare Net Tons	56480 lb 29740 lb 26740 lb 13.37

Comments			

Prod	luct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 2	Cont Soil RCG-Tons DO-DIGOUT	100 100	13.37 15.00					ERI