



ADVANCED MATERIALS  
20 Peabody Street  
Buffalo, NY 14210  
[www.honeywell.com](http://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 24, 2022

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## 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

Michelle Mattice, Site Leader

Date: 1/24/2022

## Results of the Annual Site Groundcover Inspection

The annual site groundcover inspection was conducted on May 27, 2021 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, see attached inspection, location map, and photos in Appendix A. Areas were repaired and seeded within 10 days of request.

## Results of Annual Groundwater Monitoring

The annual groundwater monitoring was conducted by Parsons on May 27, 2021 and is attached in Appendix B. The report is dated July 16<sup>th</sup>, 2021. The conclusions recommend that the annual groundwater monitoring should continue to be conducted, per the site management plan. The recommended well repairs were completed in October 2021. Additional detail is available in the report.

## Annual Site Evaluation

The annual site-wide inspection was conducted on May 27, 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 2021 and site records are up to date.

## Site Management Report – Excavation Work Documentation

In calendar year 2021, one emergency excavation notification and one notification of excavation work was submitted to NYSDEC.

1. On February 10, 2022 – Honeywell requested to excavate an undetermined amount of soil to respond to a water main break at the site. The excavated soil and stone were stored on plastic sheeting and protected from the elements until sampling and disposal can be arranged. Approximately 59 tons of stone and soil were removed from the excavation. The water main break was repaired, stone added to the excavation, and an asphalt patch was placed over the excavation area. Honeywell conducted soil sampling on March 19, 2021, prior to disposal in May 2021. Correspondence, photos, disposal manifests, and analytical documents are included in Appendix D.
2. On October 25, 2021 – Honeywell requested to excavate an undetermined amount of soil to conduct storm sewer improvements and asphalt/concrete improvements at the site. The excavated soil and stone were stored on plastic sheeting and protected from the elements until sampling and disposal were arranged. Approximately 400 tons of stone and soil were removed from the storm sewer excavations. The storm sewer excavation was backfilled with stone. Soil and grass seed will be placed in Spring 2022. Correspondence, photos, manifests, and analytical documents are included in Appendix E.

Approximately 40 ton of soil were removed from the asphalt/concrete improvement project. Asphalt and concrete were installed as ground cover in these areas. Honeywell conducted soil sampling on December 2, 2021, prior to disposal in January 2022. Correspondence, photos, manifests, and analytical documents are included in Appendix F.



## Appendix A – Annual Groundcover Site Inspection Documentation

**Cover Inspection Form  
(Quarterly/Annual)**

**Honeywell, Inc.  
Buffalo Research Laboratory  
Buffalo, New York**

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**SECTION I. GENERAL INFORMATION**

Inspector Name and Title: MATT KANDOLF - HSE Manager  
Names of Others Present During Inspection: N/A

Date of Inspection: 3/27/21 Time of Inspection: 4PM  
Date of Last Inspection: 11/23/20  
Weather: 65°F Sunny

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**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?

☒ Yes ☐ No

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?

Yes ☐ No ☒

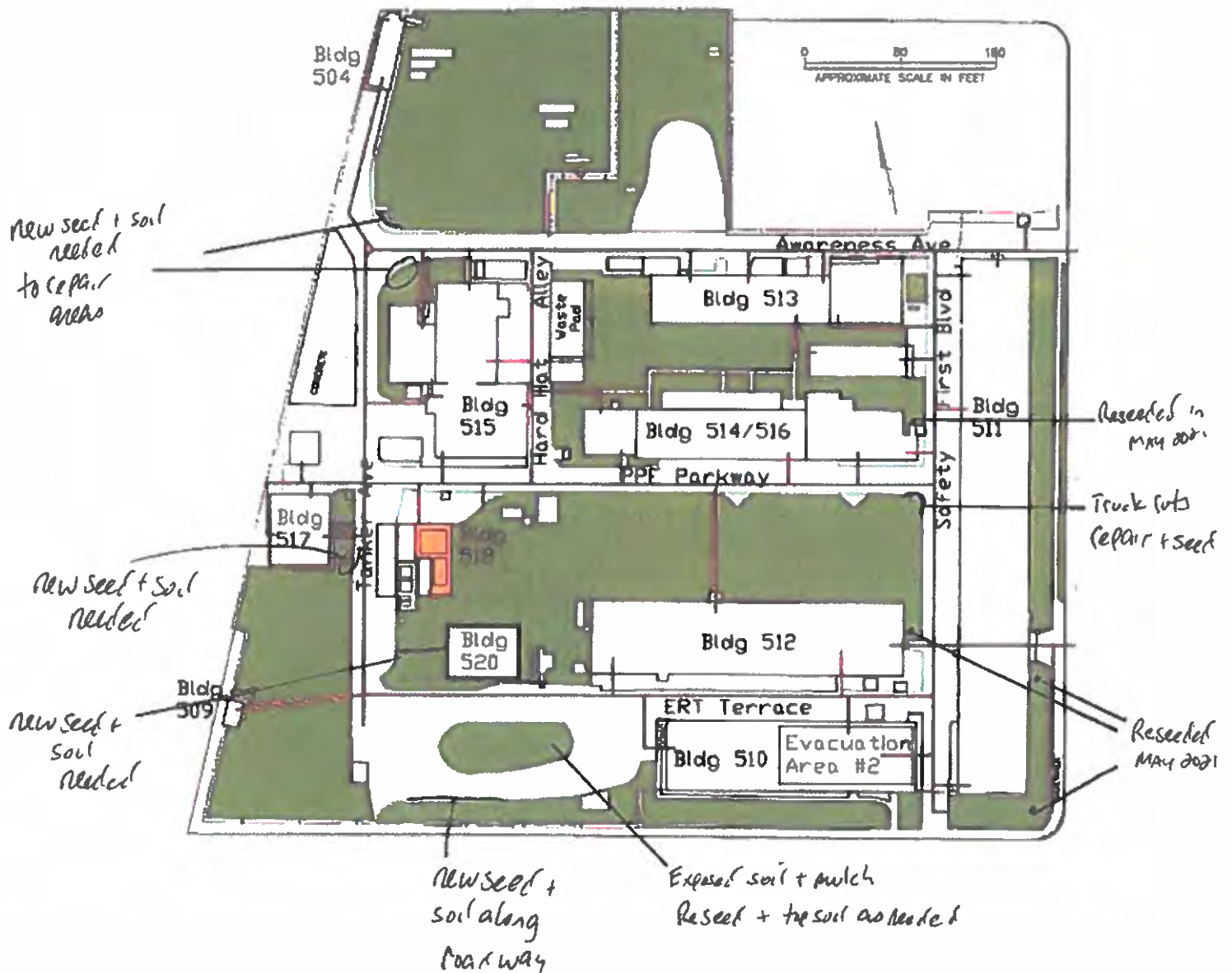
5. Did you observe any gravel-covered areas where the gravel cover has been damaged or removed not within a work zone where work is currently being performed in accordance with the Site's Excavation Work, which cause direct exposure of surface soil?

Yes ☐ No ☒

Site Plan

MAY 27<sup>th</sup> 2021

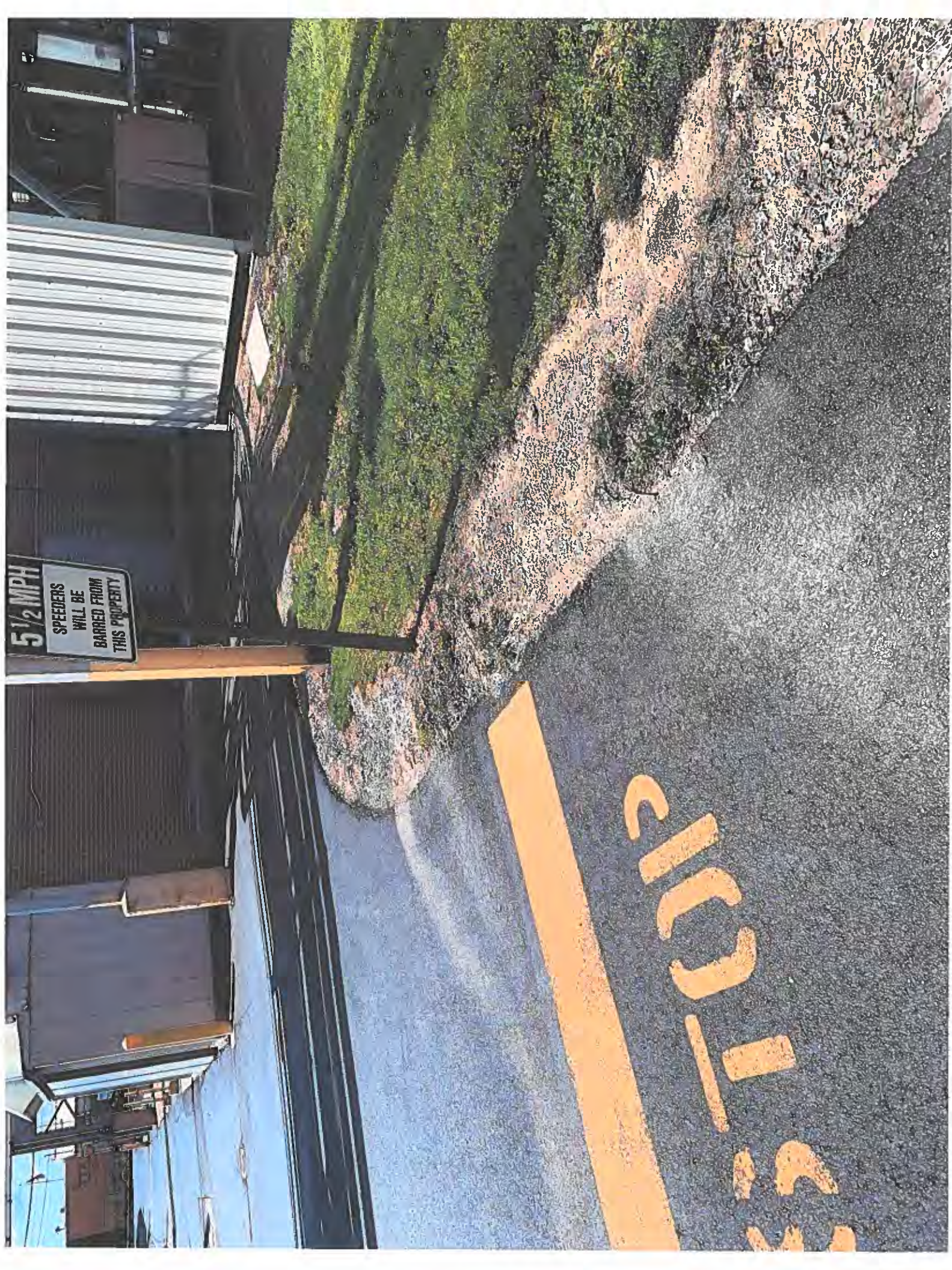
Ground cover evaluation







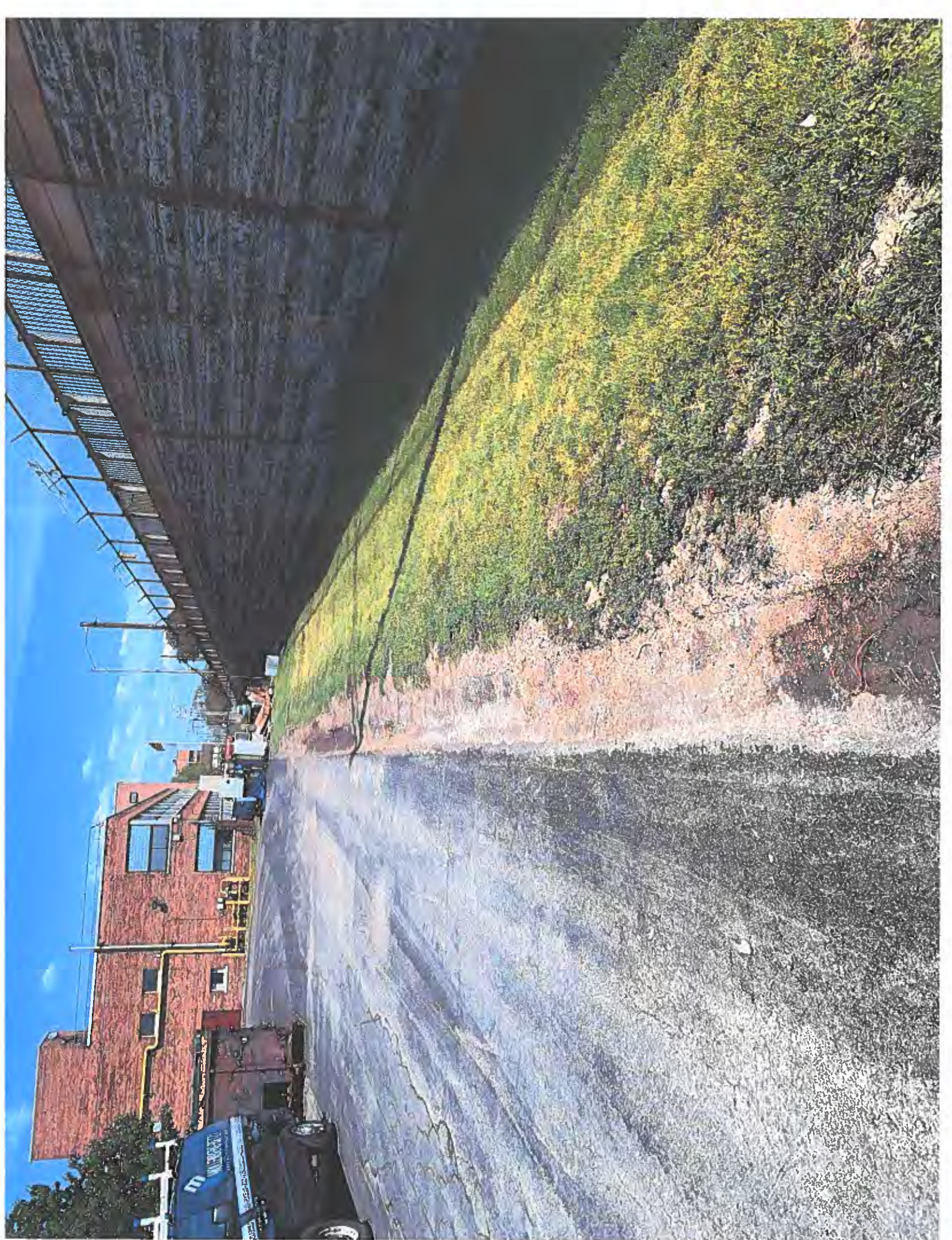






































## **ATTACHMENT B**

### **Groundwater Analytical Results**

**TABLE 1**  
**Summary of Groundwater Analytical Results (5/27/2021)**

Analytical Parameters	NYSDEC AWQS µg/L	MW-3 µg/L	MW-5 µg/L	Trip Blank µg/L
Total Arsenic	25	5	ND	NA
Total Barium	1,000	360	180	NA
1,1-Dichloroethene	5	2.0	ND	ND
1,1-Dichloroethane	5	<b>18</b>	ND	ND
1,1,1-Trichloroethane	5	4.1	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 5**

**Sample Date: 05/27/21**

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limits	Method
Total Arsenic	ND	mg/L	0.025	EPA 6010
Soluble Arsenic	NA	mg/L	0.025	EPA 6010
Total Barium	0.180	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

Sample ID: Monitoring Well 3

Sample Date: 05/27/21

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limits	Method
Total Arsenic	0.005	mg/L	0.025	EPA 6010
Soluble Arsenic	NA	mg/L	0.025	EPA 6010
Total Barium	0.360	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	2.0	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	18	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	4.1	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

Table 2

Honeywell Specialty Chemicals  
Historical Analytical Results

Compound	NYSDEC AWQS (ug/L)	MW-1 10/17/94	MW-1 1/18/95	MW-2 10/17/94	MW-2 1/18/95	MW-2 5/27/03	MW-3 10/17/94	MW-3 1/18/95	MW-3 8/23/99	MW-3 10/19/00	MW-3 12/10/01	MW-3 11/19/02	MW-3 5/27/03	MW-3 11/13/03	MW-3 5/25/04	MW-3 4/28/05	MW-3 4/25/06	MW-3 5/1/07
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
Soluble Arsenic	25	NA	NA	NA	NA	6.41 J	NA	NA	NA	NA	13 J	16 J	9.2 J	13.1 J	NA	NA	24	-
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
Soluble Barium	1,000	NA	NA	NA	NA	129	NA	NA	NA	NA	140	177	191	245	NA	NA	361	324
Acetone	50	12	-	11	6 J	NA	7	59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	50	-	-	-	-	NA	-	6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5	-	-	-	-	-	36	10	20	17.1	7.62	16.2	12.3	-	-	-	10	12.3
Tetrachloroethene (PCE)	5	-	-	-	-	-	-	-	-	<1.3	-	-	-	-	-	2.11 J	-	-
Trichloroethene (TCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20 J	-	-
1,1-Dichloroethene	5	-	-	-	-	-	4	-	-	<1.3	-	-	-	-	-	-	-	-
Methylene Chloride	5	11	-	8	-	-	8	-	-	<1.3	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	-	-	-	-	-	42	11	20	20.7	7.73	26.0	17.3	-	-	6.42 J	14	17.1
1,2-Dichloroethane	0.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	-	-	-	-	-	-	-	-	-	2.88	-	-	-	-	-	-	-
1,2-Dichloropropane	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	5	-	-	-	3 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bold data exceed NYSDC Ambient Water

Quality Standards (AWQS).

\* = Compound not detected above analytical  
detection limits.

J = Analytical result is an estimate.

NA = Not analyzed.

B = Compound also identified in blank.

Table 2

Honeywell Specialty Chemicals  
Historical Analytical Results

Compound	NYSDEC AWQS (ug/L)	MW-3 5/6/08	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-4 10/17/94	MW-4 1/18/95	MW-5 10/17/94	MW-5 1/18/95	MW-5 8/23/99
Total Arsenic	25	34.0	13	58	20	36	145	44	90	176	54	150	466	83	5	-	5.6 B	-	-	113
Soluble Arsenic	25	13	NA	-	-	18	69	-	NA	43.7	15	-	NA	NA	NA	NA	NA	NA	NA	NA
Total Barium	1,000	361	206	147	313	204	289	203	455	446	215	246	425	374	360	183 B	243	71 B	74 B	170
Soluble Barium	1,000	360	NA	136	331	128	226	200	NA	508	244	180	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	-	-	6	-	5	-	NA
2-Butanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	-	-	-	-	-	-	NA
Chloroform	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5	11.2	17.7	8.22	7.3	11.4	5.9	-	9.2	4.7	9.0	9.8	4.2	4.1	4.1	-	-	-	-	-
Tetrachloroethene (PCE)	5	-	-	-	-	-	-	-	-	-	-	-	0.90	0.51	-	-	-	-	-	-
Trichloroethene (TCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-
Methylene Chloride	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	12	-	-
1,1-Dichloroethane	5	17.1	-	12.1	10.6	21.1	8.5	19.2	29	28	38	40	22	19	18	-	-	-	-	-
1,2-Dichloroethane	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	-	-	-	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	13.7	-	4.4	-	-	2.6	-	-	-	-	-	-	-	-	-

Bold data exceed NYSDC Ambient Water

Quality Standards (AWQS)

- = Compound not detected above analytical  
detection limits.

J = Analytical result is an estimate.

NA = Not analyzed.

B = Compound also identified in blank.

Table 2

Honeywell Specialty Chemicals  
Historical Analytical Results

Compound	NYSDEC AWQS (ug/L)	MW-5 10/19/00	MW-5 12/10/01	MW-5 11/19/02	MW-5 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
Total Arsenic	25	37	20	24.1	15.1	105	8.17	13.3	10	28.0	20	31	31	11	34	12	16	-	6
Soluble Arsenic	25	NA	6	14.0	8.18	9.1	NA	8.85	92	14	NA	19	19	-	7	-	-	NA	-
Total Barium	1,000	100	80	95.1	83.8	214	63.9	94.9	92	56	50	61	61	56	56	70	51	58	169
Soluble Barium	1,000	NA	80	76	70.2	63.8	NA	86.4	71	21	53	57	57	71	67	57	51	NA	108
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1
Dibromochloromethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
1,1,1-Trichloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	31.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bold data exceed NYSDC Ambient Water

Quality Standards (AWQS).

- = Compound not detected above analytical  
detection limits

J = Analytical result is an estimate.

NA = Not analyzed.

B = Compound also identified in blank.

Table 2

Honeywell Specialty Chemicals  
Historical Analytical Results

Compound	NYSDEC AWQS (ug/L)	MW-5 8/1/17	MW-5 6/26/18	MW-5 7/29/19	MW-5 9/15/20	MW-5 5/27/21	MW-6 10/17/94	MW-6 1/18/95	MW-6 5/27/03	MW-7 10/17/94	MW-7 1/18/95	MW-8 10/17/94	MW-8 1/18/95	MW-9 10/17/94	MW-9 1/18/95	MW-9 5/25/04	MW-10 10/17/94	MW-10 1/18/95	MW-10 5/27/03
Total Arsenic	25	19	122	7	7	-	-	-	5.64 J	-	2.7 B	-	-	-	-	28.1	4 B	-	19.7 J
Soluble Arsenic	25	-	-	NA	NA	NA	NA	NA	7.34 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Barium	1,000	137	254	209	143	180	84 B	61.5 B	65.2	175 B	204 B	90 B	77.2 B	149 B	134 B	205	33 B	22.3 B	16.5
Soluble Barium	1,000	124	165	NA	NA	NA	NA	NA	69.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	-	NA	-	-	-	4	-	NA	9	-	6	-	27	18	NA	21	5 J	NA
2-Butanone	50	-	NA	-	-	-	-	-	NA	-	-	-	-	-	-	NA	-	-	NA
Chloroform	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	-	-	-	-	-	5	-	-	8	-	8	-	19	-	-	16	-	-
1,1-Dichloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-
Toluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bold data exceed NYSDC Ambient Water

Quality Standards (AWQS).

- = Compound not detected above analytical  
detection limits.

J = Analytical result is an estimate.

NA = Not analyzed.

B = Compound also identified in blank.

**Table 3**  
**Honeywell Specialty Chemicals**  
**Groundwater Elevation Data**

Monitoring Well ID	Water Level Measurement Date	Top of Well Casing Elevation (Feet AMSL)	Depth to Water (Feet TOC)	Water Table Elevation (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	11/15/1994	587.32	4.73	582.59
MW-2	1/17/1995	587.32	4.43	582.89
MW-2	8/23/1999	587.32	5.95	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	5/6/2008	587.32	4.80	582.52
MW-2	4/21/2009	587.32	4.56	582.76
MW-2	4/29/2010	587.32	4.63	582.69
MW-2	4/19/2011	587.32	4.28	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	9/15/2020	587.32	5.66	581.66
MW-2	5/27/2021	587.32	5.08	582.24
MW-3	10/17/1994	587.55	5.41	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	5/25/2004	587.55	6.57	580.98
MW-3	4/28/2005	587.55	6.40	581.15
MW-3	4/25/2006	587.55	6.10	581.45
MW-3	5/1/2007	587.55	6.08	581.47
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	8/1/2017	587.55	5.52	582.03

**Table 3**  
**Honeywell Specialty Chemicals**  
**Groundwater Elevation Data**

Monitoring Well ID	Water Level Measurement Date	Top of Well Casing Elevation (Feet AMSL)	Depth to Water (Feet TOC)	Water Table Elevation (Feet)
MW-3	6/26/2018	587.55	5.60	581.95
MW-3	7/29/2019	587.55	5.82	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-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-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-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



**Table 3**  
**Honeywell Specialty Chemicals**  
**Groundwater Elevation Data**

Monitoring Well ID	Water Level Measurement Date	Top of Well Casing Elevation (Feet AMSL)	Depth to Water (Feet TOC)	Water Table Elevation (Feet)
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	6/26/2018	585.42	3.46	581.96
MW-7	7/29/2019	585.42	3.85	581.57
MW-7	9/15/2020	585.42	3.90	581.52
MW-7	5/27/2021	585.42	3.36	582.06
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	587.94	5.09	582.85
MW-8	5/25/2004	587.94	4.91	583.03
MW-8	4/28/2005	587.94	4.99	582.95
MW-8	4/25/2006	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	8/1/2017	587.94	5.09	582.85
MW-8	6/26/2018	587.94	5.10	582.84
MW-8	7/29/2019	587.94	5.15	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-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	4/19/2011	584.48	2.26	582.22
MW-9	4/17/2012	584.48	1.86	582.62
MW-9	7/9/2013	584.48	2.26	582.22
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

**Table 3**  
**Honeywell Specialty Chemicals**  
**Groundwater Elevation Data**

<b>Monitoring Well ID</b>	<b>Water Level Measurement Date</b>	<b>Top of Well Casing Elevation (Feet AMSL)</b>	<b>Depth to Water (Feet TOC)</b>	<b>Water Table Elevation (Feet)</b>
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

## Appendix C – Annual Site Evaluation

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NYS DEC  
REGION 9

Site-Wide Inspection Form  
(Annual and Emergency)

Honeywell, Inc.  
Buffalo Research Laboratory  
Buffalo, New York

SECTION I. GENERAL INFORMATION

Inspector Name and Title: MATT KANDLER, HSE Manager

Names of Others Present During Inspection: N/A

Date of Inspection: 5/27/21 Time of Inspection: 11:00 AM

Date of Last Inspection: 11/23/2020

Weather: 65°F Sunny

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.

☒ Yes ☐ No

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)?

☒ Yes ☐ No

3. Has the Site gone without any non-routine management activities that are not already covered by an Excavation Work Plan?

☒ Yes ☐ No

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

☒ Yes ☐ No

5. Are all Site records up to date?

☒ Yes ☐ No

---

### SECTION III. IDENTIFICATION OF SITUATIONS REQUIRING ACTION

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:

MAN KANDIGER/M/K  
Inspector

5/22/01  
Date

If required by Section III:

M/K  
HSE Manager

5/22/01  
Date

or

\_\_\_\_\_  
HSE Manager Designee

\_\_\_\_\_  
Date

Attachments (List):

Cover Excavation Form

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 – Water Main Break

## Kandefer, Matt

---

**From:** Lis, James  
**Sent:** Wednesday, February 10, 2021 8:56 AM  
**To:** joshua.vaccaro@dec.ny.gov  
**Cc:** Cantie, Thomas; Kandefer, Matt  
**Subject:** Honeywell / Buffalo Research Laboratory - Emergency excavation notice to NYSDEC / RCRA Corrective Action Consent Order

**To:**  
Joshua Vaccaro  
Division of Materials Management  
NYSDEC, 270 Michigan Avenue, Buffalo, New York 14203

The purpose of this email is inform you of an emergency excavation that needs to be performed at our facility. Per the RCRA CA consent order, Honeywell will have to excavate an undetermined amount of soil and stone underneath a roadway to expose a water main leak for repairs (designated by the X in the picture below). All of the soil will be collected and stored on site on plastic tarps and protected from the elements with the same poly tarps. The soil will be sampled and analyzed by a third party laboratory to determine if there are any hazardous constituents per our above mentioned consent order.



If there are any question or concerns, please contact me at any time.

Thank you.

James J. Lis CHMM  
Safety Engineer II

**Honeywell** Buffalo Research Laboratory  
20 Peabody Street  
Buffalo, NY 14210  
Office: 716-827-1487  
Mobile: 716-331-0487









EURO 504528 8  
22K8  
TC IMPACT APPROVED  
T50 UN PORTABLE TANK  
DOT SP 14301  
27.5 BAR  
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\$10,000,000.  
200  
\$10,000,000!  
LAMAR





## ANALYTICAL REPORT

Lab Number:	L2113753
Client:	Honeywell 20 Peobody Street Buffalo, NY 14120
ATTN:	James Lis
Phone:	(716) 827-6318
Project Name:	WATER MAIN BREAK 2/10/21
Project Number:	Not Specified
Report Date:	03/30/21

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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).

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



**Project Name:** WATER MAIN BREAK 2/10/21  
**Project Number:** Not Specified

**Lab Number:** L2113753  
**Report Date:** 03/30/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2113753-01	SOIL PILE COMP	SOIL	BUFFALO, NY	03/19/21 10:20	03/19/21

**Project Name:** WATER MAIN BREAK 2/10/21  
**Project Number:** Not Specified

**Lab Number:** L2113753  
**Report Date:** 03/30/21

### 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.

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**Project Name:** WATER MAIN BREAK 2/10/21  
**Project Number:** Not Specified

**Lab Number:** L2113753  
**Report Date:** 03/30/21

### 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.

#### Total Metals

The WG1477843-3 MS recovery, performed on L2113753-01, is outside the acceptance criteria for arsenic (58%). A post digestion spike was performed and yielded an unacceptable recovery for arsenic (33%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

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:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/30/21

# ORGANICS

# **VOLATILES**



**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**SAMPLE RESULTS**

Lab ID: L2113753-01  
 Client ID: SOIL PILE COMP  
 Sample Location: BUFFALO, NY

Date Collected: 03/19/21 10:20  
 Date Received: 03/19/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/29/21 21:24  
 Analyst: MM  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 03/28/21 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough 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	127		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	118		70-130

**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/29/21 21:01  
 Analyst: MM  
 TCLP/SPLP Extraction Date: 03/28/21 14:28

Extraction Date: 03/28/21 14:28

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1480252-5					
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	85		70-130
dibromofluoromethane	118		70-130

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** WATER MAIN BREAK 2/10/21

**Project Number:** Not Specified

**Lab Number:** L2113753

**Report Date:** 03/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1480252-3 WG1480252-4								
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
Tetrachloroethene	95		88		70-130	8		20
Chlorobenzene	91		92		75-130	1		25
1,2-Dichloroethane	110		120		70-130	9		20
Benzene	100		100		70-130	0		25
Vinyl chloride	93		84		55-140	10		20
1,1-Dichloroethene	100		99		61-145	1		25
Trichloroethene	90		89		70-130	1		25
1,4-Dichlorobenzene	91		92		70-130	1		20
2-Butanone	120		130		63-138	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		121		70-130
Toluene-d8	93		95		70-130
4-Bromofluorobenzene	96		94		70-130
dibromofluoromethane	108		105		70-130

## **METALS**

**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**SAMPLE RESULTS**

Lab ID: L2113753-01

Date Collected: 03/19/21 10:20

Client ID: SOIL PILE COMP

Date Received: 03/19/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 03/22/21 03:43

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.041	J	mg/l	1.00	0.019	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Barium, TCLP	0.446	J	mg/l	0.500	0.021	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Lead, TCLP	0.028	J	mg/l	0.500	0.027	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	03/24/21 12:48	03/26/21 00:04	EPA 7470A	1,7470A	EW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/24/21 12:48	03/24/21 21:43	EPA 3015	1,6010D	SV



**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**SAMPLE RESULTS**

Lab ID: L2113753-01

Date Collected: 03/19/21 10:20

Client ID: SOIL PILE COMP

Date Received: 03/19/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	40.7		mg/kg	0.413	0.086	1	03/24/21 11:07	03/29/21 16:21	EPA 3050B	1,6010D	SV



Project Name: WATER MAIN BREAK 2/10/21

Lab Number: L2113753

Project Number: Not Specified

Report Date: 03/30/21

## 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(s): 01 Batch: WG1477810-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Barium, TCLP	ND		mg/l	0.500	0.021	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/24/21 12:48	03/24/21 20:29	1,6010D	SV

### Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/21/21 06:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1477819-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	03/24/21 12:48	03/25/21 15:20	1,7470A	NB

### Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/21/21 06:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1477843-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/24/21 11:07	03/29/21 15:58	1,6010D	SV

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WATER MAIN BREAK 2/10/21

**Project Number:** Not Specified

**Lab Number:** L2113753

**Report Date:** 03/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1477810-2								
Arsenic, TCLP	109		-		75-125	-		20
Barium, TCLP	93		-		75-125	-		20
Cadmium, TCLP	109		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	102		-		75-125	-		20
Selenium, TCLP	108		-		75-125	-		20
Silver, TCLP	95		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1477819-2								
Mercury, TCLP	111		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1477843-2 SRM Lot Number: D109-540								
Arsenic, Total	92		-		70-130	-		



# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** WATER MAIN BREAK 2/10/21

**Project Number:** Not Specified

**Lab Number:** L2113753

**Report Date:** 03/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1477810-3    QC Sample: L2113900-03    Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.26	105		-	-		75-125	-		20
Barium, TCLP	0.388J	20	18.9	94		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.543	106		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.96	98		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.08	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.28	107		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.476	95		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1477819-3    QC Sample: L2113471-01    Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0273	109		-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1477843-3    QC Sample: L2113753-01    Client ID: SOIL PILE COMP												
Arsenic, Total	40.7	10.3	46.7	58	Q	-	-		75-125	-		20

# **Lab Duplicate Analysis** *Batch Quality Control*

**Project Name:** WATER MAIN BREAK 2/10/21

**Project Number:** Not Specified

**Lab Number:** L2113753

**Report Date:** 03/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b> Associated sample(s): 01 QC Batch ID: WG1477810-4 QC Sample: L2113900-03 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.388J	0.392J	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
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b> Associated sample(s): 01 QC Batch ID: WG1477819-4 QC Sample: L2113471-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
<b>Total Metals - Mansfield Lab</b> Associated sample(s): 01 QC Batch ID: WG1477843-4 QC Sample: L2113753-01 Client ID: SOIL PILE COMP						
Arsenic, Total	40.7	40.5	mg/kg	0		20



**Project Name:** WATER MAIN BREAK 2/10/21  
**Project Number:** Not Specified

**Lab Serial Dilution  
Analysis**  
Batch Quality Control

**Lab Number:** L2113753  
**Report Date:** 03/30/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1477843-6 QC Sample: L2113753-01 Client ID: SOIL PILE COMP						
Arsenic, Total	40.7	42.4	mg/kg	4		20

# **INORGANICS & MISCELLANEOUS**



**Project Name:** WATER MAIN BREAK 2/10/21**Project Number:** Not Specified**Lab Number:** L2113753**Report Date:** 03/30/21**SAMPLE RESULTS****Lab ID:** L2113753-01**Client ID:** SOIL PILE COMP**Sample Location:** BUFFALO, NY**Date Collected:** 03/19/21 10:20**Date Received:** 03/19/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	03/22/21 20:58	121,2540G	TR



**Lab Duplicate Analysis**  
*Batch Quality Control***Project Name:** WATER MAIN BREAK 2/10/21**Project Number:** Not Specified**Lab Number:** L2113753**Report Date:** 03/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1477356-1 QC Sample: L2113753-01 Client ID: SOIL PILE COMP						
Solids, Total	91.3	87.8	%	4		20



**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

A                                  Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2113753-01A	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2113753-01B	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2113753-01C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		AS-TI(180)
L2113753-01D	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		-
L2113753-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2113753-01X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2113753-01Y	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)
L2113753-01Z	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)

**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21

## 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.)
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.

*Report Format: DU Report with 'J' Qualifiers*



**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**Footnotes**

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

**Terms**

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

**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 Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

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

**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(ah)+(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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

**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 concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 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.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** WATER MAIN BREAK 2/10/21**Lab Number:** L2113753**Project Number:** Not Specified**Report Date:** 03/30/21**Data Qualifiers**

- 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.

Report Format: DU Report with 'J' Qualifiers

---



**Project Name:** WATER MAIN BREAK 2/10/21  
**Project Number:** Not Specified

**Lab Number:** L2113753  
**Report Date:** 03/30/21

## 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.





**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 18

Department: **Quality Assurance**

Published Date: 2/16/2021 5:32:02 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

**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 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.

L2113753

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.



W

<b>SHIPPING DOCUMENT</b>		1. Generator ID Number <b>NYD000632315</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(877) 818-0087</b>	4. Shipping Document Tracking Number <b>ZZ 00452163</b>
5. Generator's Name and Mailing Address <b>JIM LIS HONEYWELL INTERNATIONAL, INC 20 PEABODY STREET BUFFALO, NY 14210</b>			Generator's Site Address (if different than mailing address) <b>SAME</b>		
Generator's Phone: <b>716 827-6318</b>					
6. Transporter 1 Company Name <b>PARISO LOGISTICS</b>			U.S. EPA ID Number <b>9A-826-26</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799</b>			U.S. EPA ID Number		
Facility's Phone: <b>716 496-3420</b>			<b>NOT REQ 095</b>		
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity
			No.	Type	
					12. Unit Wt./Vol.
					13. Codes
14. Special Handling Instructions and Additional Information <b>** (VES-TON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); *- Contract retained by generator confers agency authority on initial transporter to add or substitute additional *- 1) W:327213 A: CIN327213 VES1:H132</b>					
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name <b>JAMES LIS</b>			Signature 		Month Day Year <b>5 11 21</b>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.		
17. Transporter Acknowledgment of Receipt of Shipment					
Transporter 1 Printed/Typed Name <b>Sherman M. Abdalil</b>			Signature 		Month Day Year <b>5 11 21</b>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
18b. Alternate Facility (or Generator)			Shipping Document Tracking Number: U.S. EPA ID Number		
Facility's Phone:					
18c. Signature of Alternate Facility (or Generator)			Month Day Year		
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)					
1.		2.		3.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a					
Printed/Typed Name			Signature		Month Day Year

DESIGNATED FACILITY TO GENERATOR





<b>SHIPPING DOCUMENT</b>		1. Generator ID Number <b>NYD000632315</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(877) 818-0087</b>	4. Shipping Document Tracking Number <b>ZZ 00452164</b>		
5. Generator's Name and Mailing Address <b>JIM LIS HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210</b>			Generator's Site Address (if different than mailing address) <b>SAME</b>				
Generator's Phone: <b>716 827-6318</b>							
6. Transporter 1 Company Name <b>PARIS LOGISTICS</b>			U.S. EPA ID Number <b>74-826-T 21</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799</b>			U.S. EPA ID Number				
Facility's Phone: <b>716 496-3420</b>			<b>NOT REQ 095</b>				
<b>GENERATOR</b>	9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit WL/Vol.	13. Codes
		1. <b>NON-REGULATED MATERIAL PER 40 &amp; 49 CFR (NON HAZ SOIL CONTAMINATED WITH LOW LEVEL ARSENIC, BARIUM, LEAD)</b>	1	D T	22	T	NONE L
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information <b>** (VES-TON, NY2); *(NEED C.O.D'S); ** (EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); -/- Contract retained by generator confers agency authority on initial transporter to add or substitute additional -/- 1) W 327213 A: CIN327213 VES1:HT32</b>							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name <b>JAMES LIS</b>		Signature 		Month Day Year <b>5/1/21</b>			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Shipment		Transporter 1 Printed/Typed Name <b>John Burke</b>		Signature 		Month Day Year <b>5/1/21</b>	
		Transporter 2 Printed/Typed Name		Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection	
				Shipping Document Tracking Number:			
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)				Month Day Year			
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator Certification of receipt of shipment except as noted in item 18a							
Printed/Typed Name				Signature		Month Day Year	

**DESIGNATED FACILITY TO GENERATOR**



3

<b>SHIPPING DOCUMENT</b>		1. Generator ID Number <b>NYD000632315</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(877) 818-0087</b>	4. Shipping Document Tracking Number <b>ZZ 00452165</b>
5. Generator's Name and Mailing Address <b>JIM LIS HONEYWELL INTERNATIONAL, INC 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318</b>			Generator's Site Address (if different than mailing address) <b>SAME</b>		
6. Transporter 1 Company Name <b>Parko Logistics</b>			U.S. EPA ID Number <b>~14 9A826-26</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799</b>			U.S. EPA ID Number		
Facility's Phone: <b>716 496-3420</b>			<b>NOT REQ 095</b>		

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
		No.	Type				
1.	<b>NON-REGULATED MATERIAL PER 40 &amp; 49 CFR, (NON HAZ SOIL CONTAMINATED WITH LOW LEVEL ARSENIC, BARIUM, LEAD)</b>	1	D T	15	T	NONE	L
2.							
3.							
4.							

14. Special Handling Instructions and Additional Information  
**\*\* (VES-TON, NY2); \*(NEED C.O.D'S); \*(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); -/- Contract retained by generator confers agency authority on initial transporter to add or substitute additional -/- 1) W:327213 A: CIN327213 VES1:H132**

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name  
**JAMES LIS**

Signature

Month Day Year  
**5 11 21**

16. International Shipments  
☐ Import to U.S.  
☐ Export from U.S.

Port of entry/exit:  
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Shipment  
 Transporter 1 Printed/Typed Name  
**Sherman M. Abdallah**  
 Transporter 2 Printed/Typed Name

Signature

Month Day Year  
**5 11 21**

18. Discrepancy  
 18a. Discrepancy Indication Space  
☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:  
U.S. EPA ID Number

18b. Alternate Facility (or Generator)  
 Facility's Phone:  
 18c. Signature of Alternate Facility (or Generator)

Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a  
 Printed/Typed Name  
 Signature  
 Month Day Year

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

## Appendix E - Site Soil Disturbance Events Documentation – Storm Sewer Modifications





ADVANCED MATERIALS  
20 Peabody Street  
Buffalo, NY 14210  
[www.honeywell.com](http://www.honeywell.com)

1/22/2022

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

**Re: Site Management Plan – Stormwater Improvements**  
NYSDEC Site Number 915002

Dear Mr. Vaccaro:

Honeywell completed stormwater system improvements at the site in 2021. In Excavation #1, we redirected storm sewer flow to a larger stormwater truck as the site has experienced significant flooding over the past 12 months. Excavations were 0-6 ft in depth. This area is listed as partially occurring in Area # 2 in the Site Management Plan, which has known arsenic contamination of 46.8 to 343 mg/kg.

Occhino Corp performed the following scope of work for the storm sewer excavation, labeled as Excavation # 1 on the attached map:

Occhino Corp is pleased to provide the following quote for work at the above-mentioned address.

- Place approx. 300' HDPE bedded in #1 clean stone
- Place 1 24" x 24" drainage inlet with bicycle safe frame and grate
- Place approx. 40' 6" HDPE connecting DI to 12" pipe
- Place 10' 6" HDPE connected to 12" HDPE (stub with end cap for later use)
- Excavate existing main trunk line
- Place necessary shoring
- Cut and connect new 12" line to existing trunk line
- Pour concrete collar with rebar reinforcement
- Backfill in 12" lifts with #2 crush limestone to grade
- Place 3" Type 3 Dense binder
- Place 1" Type 7 top
- Restore concrete sidewalks with asphalt for temporary access over winter

All soil was excavated and staged for sampling and disposal. Soil was staged on poly sheeting and covered with poly sheeting until the sample results were received. The stone backfill for all excavations was 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).

Photos, laboratory analysis and waste manifests are attached.



ADVANCED MATERIALS  
20 Peabody Street  
Buffalo, NY 14210  
[www.honeywell.com](http://www.honeywell.com)

Photos:







ADVANCED MATERIALS

20 Peabody Street

Buffalo, NY 14210

[www.honeywell.com](http://www.honeywell.com)



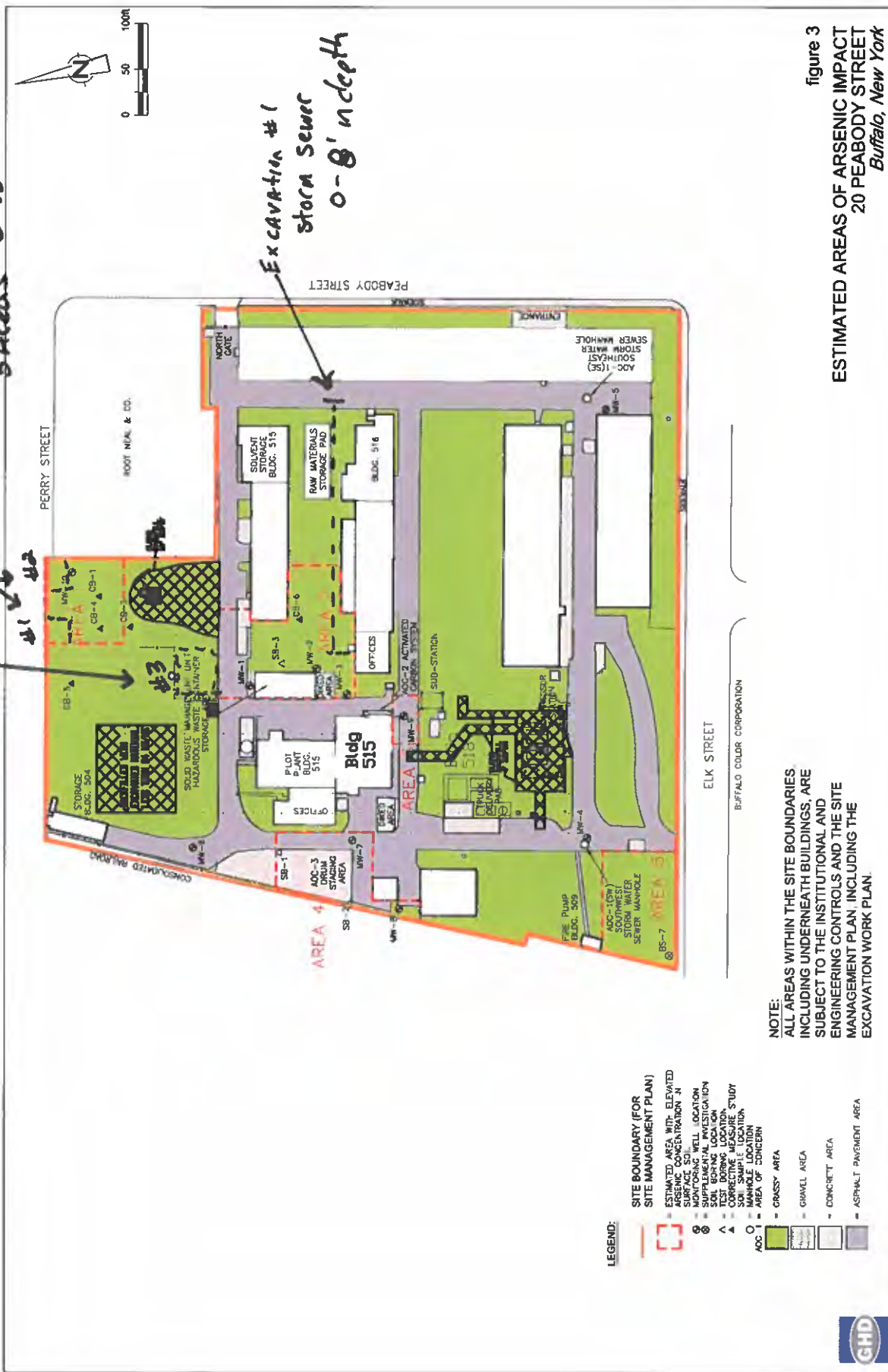




ADVANCED MATERIALS  
20 Peabody Street  
Buffalo, NY 14210  
[www.honeywell.com](http://www.honeywell.com)



Excavation #2 - Asphalt repair + installation  
3 Areas 0-12"





## ANALYTICAL REPORT

Lab Number:	L2166037
Client:	Honeywell 20 Peabody Street Buffalo, NY 14120
ATTN:	Matthew Kandefer
Phone:	(716) 827-6318
Project Name:	SOIL SAMPLING DEC 2021
Project Number:	Not Specified
Report Date:	12/16/21

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).

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





**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2166037-01	ASPHALT SOIL REMOVAL	SOIL	BUFFALO, NY	12/02/21 10:00	12/02/21
L2166037-02	STORM SEWER MODIFICATION SOIL COMP A	SOIL	BUFFALO, NY	12/02/21 10:05	12/02/21
L2166037-03	STORM SEWER MODIFICATION SOIL COMP B	SOIL	BUFFALO, NY	12/02/21 10:10	12/02/21

**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

### 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.

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**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

### 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](http://www.alphalab.com) and building a Data Usability table (format 11) in our Data Merger tool.


#### Total Metals

The WG1581706-3 MS recovery for arsenic (145%), performed on L2166037-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1581706-4 Laboratory Duplicate RPD for arsenic (93%), performed on L2166037-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/16/21



# **VOLATILES**



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01  
 Client ID: ASPHALT SOIL REMOVAL  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:00  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 20:23  
 Analyst: NLK  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	13		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
dibromofluoromethane	112		70-130



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02  
 Client ID: STORM SEWER MODIFICATION SOIL COMP A  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:05  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 20:43  
 Analyst: NLK  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	110		70-130



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03  
 Client ID: STORM SEWER MODIFICATION SOIL COMP B  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:10  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 21:03  
 Analyst: NLK  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
dibromofluoromethane	110		70-130



## METALS



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01

Date Collected: 12/02/21 10:00

Client ID: ASPHALT SOIL REMOVAL

Date Received: 12/02/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Barium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 10:42	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01

Date Collected: 12/02/21 10:00

Client ID: ASPHALT SOIL REMOVAL

Date Received: 12/02/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	59.8		mg/kg	0.494	--	1	12/13/21 12:00	12/15/21 17:20	EPA 3050B	1,6010D	EW





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02

Date Collected: 12/02/21 10:05

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP A  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Barium, TCLP	0.649		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 10:52	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02

Date Collected: 12/02/21 10:05

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP A  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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**Total Metals - Mansfield Lab**

Arsenic, Total	21.6		mg/kg	0.509	--	1	12/13/21 12:00	12/15/21 17:05	EPA 3050B	1,6010D	EW
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**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03

Date Collected: 12/02/21 10:10

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP B  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Barium, TCLP	0.622		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 11:02	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03

Date Collected: 12/02/21 10:10

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP B  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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**Total Metals - Mansfield Lab**

Arsenic, Total	70.7		mg/kg	0.522	--	1	12/13/21 12:00	12/15/21 17:10	EPA 3050B	1,6010D	EW
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# **INORGANICS & MISCELLANEOUS**



**Project Name:** SOIL SAMPLING DEC 2021**Project Number:** Not Specified**Lab Number:** L2166037**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01  
Client ID: ASPHALT SOIL REMOVAL  
Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:00  
Date Received: 12/02/21  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.5		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI





**Project Name:** SOIL SAMPLING DEC 2021**Project Number:** Not Specified**Lab Number:** L2166037**Report Date:** 12/16/21**SAMPLE RESULTS****Lab ID:** L2166037-02**Client ID:** STORM SEWER MODIFICATION SOIL COMP A**Sample Location:** BUFFALO, NY**Date Collected:** 12/02/21 10:05**Date Received:** 12/02/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.5		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS****Lab ID:** L2166037-03**Date Collected:** 12/02/21 10:10**Client ID:** STORM SEWER MODIFICATION SOIL COMP B**Date Received:** 12/02/21**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI





**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

Serial\_No:12162116:46  
**Lab Number:** L2166037  
**Report Date:** 12/16/21

### Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

#### Cooler Information

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

#### Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166037-01A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-01C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-01D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-01S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-01T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	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)
L2166037-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2166037-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-02D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-02S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-02T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	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)
L2166037-02X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2166037-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-03C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-03D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-03S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)



**Project Name:** SOIL SAMPLING DEC 2021

**Project Number:** Not Specified

Serial\_No:12162116:46

**Lab Number:** L2166037

**Report Date:** 12/16/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2166037-03T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2166037-03X9	Tumble Vessel	A	NA		3.0	Y	Absent		-



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21

## 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.)
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.

*Report Format: DU Report - No QC*



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**Footnotes**

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

**Terms**

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

**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 Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

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

**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(ah)+(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, 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.

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.)

**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 concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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

**Report Format:** DU Report - No QC





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**Data Qualifiers**

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.)

Report Format: DU Report - No QC





**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

## 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.





**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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**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: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.



 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1	Date Rec'd In Lab	12/3/21	ALPHA Job # L2166037							
		of 1										
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	<b>Project Information</b>		<b>Deliverables</b>		<b>Billing Information</b>						
<b>Client Information</b>		Project Name: Soil Sampling Dec 2021		<input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Same as Client Info PO # A000827491						
		Project Location: Buffalo, NY										
<b>Client:</b> Honeywell		Project #		<b>Regulatory Requirement</b>		<b>Disposal Site Information</b>						
		(Use Project name as Project #) <input type="checkbox"/>										
<b>Address:</b> 20 Peabody Street Buffalo, NY 14120		Project Manager: Matthew Kandefer		<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> N.J. <input type="checkbox"/> NY <input type="checkbox"/> Other:						
		ALPHAQuote #:										
<b>Phone:</b> 716-471-3158 <b>Fax:</b> 716-827-6221 <b>Email:</b> Matthew.Kandefer@honeywell.com		<b>Turn-Around Time</b>										
								Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:				
<b>These samples have been previously analyzed by Alpha</b> <input type="checkbox"/>		<b>Other project specific requirements/comments:</b>		<b>ANALYSIS</b>		<b>Sample Filtration</b>						
						<input type="checkbox"/> Done <input checked="" type="checkbox"/> Lab to do <b>Preservation</b> <input checked="" type="checkbox"/> Lab to do (Please Specify below)						
<b>Please specify Metals or TAL.</b>												
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCLP VOAs	TCLP Metals	Total As	Total Solids			Sample Specific Comments
		Date	Time									
6637-01	Asphalt soil removal	12/2/2021	10:00	Soil	TW	X	X	X	X			4
02	Storm Sewer Modification Soil Comp A	12/2/2021	10:05	Soil	AF	x	x	x	x			4
03	Storm Sewer Modification Soil Comp B	12/2/2021	10:10	Soil	ES	x	x	x	x			4
<b>Preservative Code:</b> A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		<b>Container Code</b> P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		<b>Westboro: Certification No: MA935</b> <b>Mansfield: Certification No: MA015</b>		<b>Container Type</b>						
						<b>Preservative</b>						
						G	G	G	P			
						A	A	A	A			
Form No: 01-25 (rev. 30-Sept-2013)		<b>Relinquished By:</b>		<b>Date/Time</b>		<b>Received By:</b>		<b>Date/Time</b>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <u>TERMS &amp; CONDITIONS.</u>		
		AAL		12-2-21/1040		[Signature]		12/3/21 0100				



<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348448</b>
5. Generator's Name and Mailing Address MATTHEW KANDEPER HONEYWELL INTERNATIONAL, INC. 20 PRABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318			Generator's Site Address (if different than mailing address) SAME		
6. Transporter 1 Company Name <b>MALLARE TRUCKING</b>			U.S. EPA ID Number <b>NA 738</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420			U.S. EPA ID Number <b>NOT REQ 095</b>		
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)	1	DT	20 T
		2.			
		3.			
		4.			
13. Codes NONH					
14. Special Handling Instructions and Additional Information **(VES-ION, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VES(S); + 1) W-327213 A-CIN327213 VES) H132; *(ESTIMATED WEIGHT USED)					
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name <b>MATTHEW KANDEPER</b>		Signature <i>[Signature]</i>		Month Day Year <b>1 22 22</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____					
17. Transporter Acknowledgment of Receipt of Shipment					
Transporter 1 Printed/Typed Name <b>ALICE TARNOWSKI</b>		Signature <i>[Signature]</i>		Month Day Year <b>1 22 22</b>	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Shipping Document Tracking Number: _____					
18b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone: _____					
18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)					
1.		2.		3.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a					
Printed/Typed Name		Signature		Month Day Year	



GENERATOR	<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315		2. Page 1 of 1		3. Emergency Response Phone (877) 818-G087		4. Shipping Document Tracking Number <b>ZZ 00348449</b>		
	5. Generator's Name and Mailing Address MATTHEW KANDEFER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210						Generator's Site Address (if different than mailing address) SAME				
	Generator's Phone: 716 827-6318										
	6. Transporter 1 Company Name <b>MALLARE TRUCKING</b>						U.S. EPA ID Number <b>9A-738</b>				
	7. Transporter 2 Company Name						U.S. EPA ID Number				
TRANSPORTER INT'L	8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799						U.S. EPA ID Number				
	Facility's Phone: 716 496-3420						NOT REQ 095				
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol.	13. Codes	
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOL, WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# L2166037; 12/16/21)				1 D T		20	T	NONE	
	2.										
DESIGNATED FACILITY	14. Special Handling Instructions and Additional Information ** (YES-TON, NY2); ** (NEED C.O.D.S); ** (EMERGENCY RESPONSE # 1-877-818-1087; CONTRACTED BY VBS(S); + 1) W-327213 A-CIN327213 VBS1; H132; ** (ESTIMATED WEIGHT USED)										
	15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.										
	Generator's/Officer's Printed/Typed Name MATTHEW KANDEFER						Signature <i>[Signature]</i>		Month Day Year 1 27 08		
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Shipment Transporter 1 Printed/Typed Name Ian Van Horn Signature <i>[Signature]</i> Month Day Year 1 27 23										
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Shipping Document Tracking Number: _____ 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) Month Day Year											
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems) 1. 2. 3. 4.											
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a Printed/Typed Name Signature Month Day Year											



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NY D 0 0 0 6 3 2 3 1 5	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348450</b>			
5. Generator's Name and Mailing Address MATTHEW KANDLER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210		Generator's Site Address (if different than mailing address) SAME					
Generator's Phone: 716 827-6318							
6. Transporter 1 Company Name <b>MALARE TRUCKING</b>		U.S. EPA ID Number <b>9A-738</b>					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAPPEE, NY 14036-9799		U.S. EPA ID Number					
Facility's Phone: 716 496-3420		NOT REQ 091					
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) *(ALPHA# L2166037; 12/16/21)	1 1 D T	20	T	NONE L	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information **VESIS-TON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESIS); + 1) W:327213 A:CIN327213 VESIS;H132; *(ESTIMATED WEIGHT USED)							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name Matthew Kandler		Signature <i>[Signature]</i>		Month Day Year 12 21 22			
<b>TRANSPORTER INT'L</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name Logan Leeds		Signature <i>[Signature]</i>		Month Day Year 12 22		
<b>DESIGNATED FACILITY</b>	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Shipping Document Tracking Number: U.S. EPA ID Number						
	18b. Alternate Facility (or Generator) Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name		Signature		Month Day Year			



GENERATOR	<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315		2. Page 1 of		3. Emergency Response Phone		4. Shipping Document Tracking Number <b>ZZ</b>					
	5. Generator's Name and Mailing Address MATTHEW KANDEPER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210						Generator's Site Address (if different than mailing address) SAME							
	Generator's Phone: 716 827-6318													
	6. Transporter 1 Company Name <b>MALLARE TRUCKING</b>						U.S. EPA ID Number <b>9A-738</b>							
	7. Transporter 2 Company Name						U.S. EPA ID Number							
	8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAPPEE, NY 14030-9799						U.S. EPA ID Number							
	Facility's Phone: 716 496-3420						NOT REQ 095							
	9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity		12. Unit Wt./Vol.		13. Codes	
							No. Type							
			1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ. SOIL WITH TRACE ARSENIC, BARIUM, BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)				1		D T		1		NONE L	
		2.												
		3.												
		4.												
14. Special Handling Instructions and Additional Information														
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.														
Generator's/Offor's Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____														
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
	17. Transporter Acknowledgment of Receipt of Shipment													
TRANSPORTER	Transporter 1 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____													
	Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____													
DESIGNATED FACILITY	18. Discrepancy													
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
	18b. Alternate Facility (or Generator) Shipping Document Tracking Number: _____ U.S. EPA ID Number _____													
	Facility's Phone: _____													
	18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____													
	19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)													
1. _____ 2. _____ 3. _____ 4. _____														
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a														
Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____														



<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number <b>ZZ</b>		
5. Generator's Name and Mailing Address MATTHEW KANDEFER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318				Generator's Site Address (if different than mailing address) SAME			
6. Transporter 1 Company Name MALLARE TRUCKING				U.S. EPA ID Number 9A-738			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420				U.S. EPA ID Number NOT REQ 095			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol
				No.	Type		
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR. (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM, BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)					
		2.					
		3.					
	4.						
14. Special Handling Instructions and Additional Information							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name Matthew Kandefer				Signature [Signature]		Month Day Year 11 21 22	
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name Tom Van Horn				Signature [Signature]		Month Day Year 11 27 22
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator) Shipping Document Tracking Number: U.S. EPA ID Number						
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator) Month Day Year						
	19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)						
1.		2.		3.		4.	
20. Designated Facility Owner or Operator. Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NY D 0 0 0 6 3 2 3 1 5	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348453</b>			
5. Generator's Name and Mailing Address MATTHEW KANDUPER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210			Generator's Site Address (if different than mailing address) SAME.				
Generator's Phone: 716 827-6318							
6. Transporter 1 Company Name <b>MALLARE TRUCKING</b>			U.S. EPA ID Number <b>9A-738</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAPFRE, NY 14030-9799			U.S. EPA ID Number				
Facility's Phone: 716 496-3420			<b>NOT REQ 095</b>				
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) *(ALPHA# 12166037, 12/16/21)	1	DT	20	T	NONH L
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information **(VES-TON, NY2); *(NEED C.O.D.S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESIS); + 1) W-327213 A; CIN327213 VESIS; H132; *(ESTIMATED WEIGHT USHD).							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Offoror's Printed/Typed Name <i>Matthew Kanduper</i>		Signature <i>[Signature]</i>		Month <i>1</i>		Day <i>21</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Shipment							
Transporter 1 Printed/Typed Name <i>Logan Leeds</i>		Signature <i>[Signature]</i>		Month <i>1</i>		Day <i>22</i>	
Transporter 2 Printed/Typed Name		Signature		Month		Day	
<b>TRANSPORTER INT'L</b>	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Shipping Document Tracking Number:						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone:						
<b>DESIGNATED FACILITY</b>	18c. Signature of Alternate Facility (or Generator) Month Day Year						
	19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)						
	1.	2.	3.	4.			
	20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a						
	Printed/Typed Name		Signature		Month		Day



GENERATOR	<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315		2. Page 1 of 1		3. Emergency Response Phone (877) 818-0087		4. Shipping Document Tracking Number <b>ZZ 00348454</b>		
	5. Generator's Name and Mailing Address MATTHEW KANDEFFER HONEYWELL INTERNATIONAL, INC. 20 PEARODY STREET BUFFALO, NY 14210						Generator's Site Address (if different than mailing address) SAME				
	Generator's Phone: 716 827-6318										
	6. Transporter 1 Company Name MALLARE TRUCKING						U.S. EPA ID Number 9A-738				
	7. Transporter 2 Company Name						U.S. EPA ID Number				
TRANSPORTER INT'L	8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 CLEAN ROAD CHAFFER, NY 14030-9799						U.S. EPA ID Number				
	Facility's Phone: 716 496-3420						NOT REQ 095				
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR. (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)				J D T		20	T	NONE I,	
	2.										
DESIGNATED FACILITY	14. Special Handling Instructions and Additional Information **(VES-TON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESIS; + 1) W:327213 A:CIN327213 VESI;H132; *(ESTIMATED WEIGHT USRD)										
	15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.										
	Generator's/Officer's Printed/Typed Name MATTHEW KANDEFFER						Signature [Signature]		Month Day Year 1 27 22		
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:										
	17. Transporter Acknowledgment of Receipt of Shipment Transporter 1 Printed/Typed Name NICK L. KANOWSKI Signature [Signature] Transporter 2 Printed/Typed Name Signature [Signature] Month Day Year 1 27 22										
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Shipping Document Tracking Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year											
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems) 1. 2. 3. 4.											
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a Printed/Typed Name Signature Month Day Year											



SHIPPING DOCUMENT		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Shipping Document Tracking Number <b>ZZ</b>		
5. Generator's Name and Mailing Address HONEYWELL IN 20 PEABODY STR BUFFALO, NY						Generator's Site Address (if different than mailing address)				
Generator's Phone:										
6. Transporter 1 Company Name <b>MAL AR K I</b>						U.S. EPA ID Number <b>94 8</b>				
7. Transporter 2 Company Name						U.S. EPA ID Number				
8. Designated Facility Name and Site Address						U.S. EPA ID Number				
Facility's Phone:										
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
						No.	Type			
		1. NON-REGUL TE SOIL WITH U A REG ULATOR								NE
		2.								
		3.								
	4.									
14. Special Handling Instructions and Additional Information <b>** (VES-TON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); + 1) W:327213 A:CIN327213 VES1:H132; *(ESTIMATED WEIGHT USED)</b>										
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.										
Generator's/Offoror's Printed/Typed Name						Signature		Month Day Year		
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:									
	Transporter signature (for exports only):									
	17. Transporter Acknowledgment of Receipt of Shipment									
	Transporter 1 Printed/Typed Name						Signature		Month Day Year	
<b>Jan Vanthorn</b>						<b>[Signature]</b>		<b>1 12 23</b>		
Transporter 2 Printed/Typed Name						Signature		Month Day Year		
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Shipping Document Tracking Number:									
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number			
	Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)						Signature		Month Day Year		
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)										
1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a										
Printed/Typed Name						Signature		Month Day Year		

GENERATOR / SHIPPER'S INITIAL COPY



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NYD0000032315	2. Page 1 of 1	3. Emergency Response Phone 977 212-3037	4. Shipping Document Tracking Number <b>ZZ 00348292</b>				
5. Generator's Name and Mailing Address MATTHEW KRADEFER 444 W. 14th St. 4th Fl. New York, NY 10011			Generator's Site Address (if different than mailing address) SAME					
Generator's Phone 212-714-2228								
6. Transporter 1 Company Name MILLARE Transport			U.S. EPA ID Number 92-778					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address WM of NEW YORK, LLC 1066 7th Ave. 10th Floor NY, NY 10019			U.S. EPA ID Number NY-004095					
Facility's Phone 212-486-7400								
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
		1. Non regulated material per 49 CFR, Class 1.2 L with TICS, net wt. 1.0 kg, below 100°C, UN 1993, ** (Excluded material used)	1	DT	20	T	None	L
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information ** (VES-10M, NYD); * (NEED C.O.D.S); (EMERGENCY RESPONSE # 1-877-818-0087, CONTACTED BY VEST); ID W: 30703 H: C1A37013 VEST; L 132; ** (Excluded material used)								
15. <b>GENERATOR S/OFFEROR S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.								
Generator's/Officer's Printed/Typed Name Matthew Kradefer Inc. Houswife			Signature [Signature]		Month Day Year 1 28 22			
<b>TRANSPORTER INT'L</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Shipment							
	Transporter 1 Printed/Typed Name Logan Leeds			Signature [Signature]		Month Day Year 1 28 22		
<b>DESIGNATED FACILITY</b>	Transporter 2 Printed/Typed Name			Signature		Month Day Year		
	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Shipping Document Tracking Number: _____							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)			Month Day Year					
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a								
Printed/Typed Name			Signature		Month Day Year			

**GENERATOR / SHIPPER'S INITIAL COPY**



GENERATOR	<b>SHIPPING DOCUMENT</b>		1. Generator ID Number <i>NYD060632315</i>		2. Page 1 of <i>1</i>		3. Emergency Response Phone		4. Shipping Document Tracking Number <b>ZZ</b>							
	5. Generator's Name and Mailing Address								Generator's Site Address (if different than mailing address)							
	Generator's Phone:															
	6. Transporter 1 Company Name								U.S. EPA ID Number							
	7. Transporter 2 Company Name								U.S. EPA ID Number							
	8. Designated Facility Name and Site Address								U.S. EPA ID Number							
	Facility's Phone:															
	9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity		12. Unit Wt./Vol.		13. Codes			
							No. Type									
	1.															
2.																
3.																
4.																
14. Special Handling Instructions and Additional Information																
15. <b>GENERATOR S/OFFEROR S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.																
Generator's/Officer's Printed/Typed Name								Signature		Month		Day		Year		
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____															
	17. Transporter Acknowledgment of Receipt of Shipment															
	Transporter 1 Printed/Typed Name <i>Nick Jarnowski</i>								Signature		Month		Day		Year	
	Transporter 2 Printed/Typed Name								Signature		Month		Day		Year	
DESIGNATED FACILITY	18. Discrepancy															
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection															
	Shipping Document Tracking Number: _____															
	18b. Alternate Facility (or Generator) U.S. EPA ID Number															
	Facility's Phone:															
	18c. Signature of Alternate Facility (or Generator) Month Day Year															
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)																
1.				2.				3.				4.				
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a																
Printed/Typed Name								Signature		Month		Day		Year		



TRANSPORTER INT'L

GENERATOR / SHIPPER'S INITIAL COPY



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348457</b>				
5. Generator's Name and Mailing Address MATTHEW KANDJEFFER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318		Generator's Site Address (if different than mailing address) SAME						
6. Transporter 1 Company Name MALLARE TRUCKING		U.S. EPA ID Number 9A-738						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420		U.S. EPA ID Number NOT REQ 095						
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers	11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)		No. 1	Type D T	20	T	NONE L
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information **(VES-TON_NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087, CONTRACTED BY VESTS); + 1) W:327213 A:CIN327213 VES1,H132; *(ESTIMATED WEIGHT USED)								
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.								
Generator's/Officer's Printed/Typed Name: Matthew Kandjeffer Signature: [Signature] Month: 1 Day: 28 Year: 22								
<b>TRANSPORTER INTL</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
	17. Transporter Acknowledgment of Receipt of Shipment Transporter 1 Printed/Typed Name: Jan Van Horn Signature: [Signature] Month: 1 Day: 28 Year: 22							
	Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:							
<b>DESIGNATED FACILITY</b>	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator) Shipping Document Tracking Number: U.S. EPA ID Number:							
	Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month: Day: Year:							
	19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a Printed/Typed Name: Signature: Month: Day: Year:								



<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348458</b>			
5. Generator's Name and Mailing Address MATTHEW KANDLER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318					Generator's Site Address (if different than mailing address) SAME			
6. Transporter 1 Company Name MALLARE TRUCKING					U.S. EPA ID Number 9A-738			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420					U.S. EPA ID Number NOT REQ 095			
GENERATOR	9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
				No.	Type			
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037, 121621)		1	D T	20	F	NONE L
		2.						
		3.						
	4.							
14. Special Handling Instructions and Additional Information **(VES-TON, NY2); *(NEED C.O.D.'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS; + 1) W:327213 A:CIN327213 VEST; H132; *(ESTIMATED WEIGHT USED)								
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.								
Generator's/Offlor's Printed/Typed Name Matthew Kandler, Gen. Manager					Signature [Signature]		Month Day Year 1 28 22	
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	Transporter signature (for exports only): _____							
	17. Transporter Acknowledgment of Receipt of Shipment							
	Transporter 1 Printed/Typed Name Nick Tamponelli					Signature [Signature]		Month Day Year 1 28 22
	Transporter 2 Printed/Typed Name					Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Shipping Document Tracking Number: _____							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number							
	Facility's Phone: _____							
	18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a								
Printed/Typed Name					Signature		Month Day Year	

GENERATOR / SHIPPER'S INITIAL COPY



GENERATOR	<b>SHIPPING DOCUMENT</b>	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number <b>ZZ</b>		
	5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
TRANSPORTER	Generator's Phone:		6. Transporter 1 Company Name				U.S. EPA ID Number <b>4A-738</b>
			7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address		U.S. EPA ID Number				
	Facility's Phone:		NOT REQ				
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1.	1. <i>HAZARDOUS WASTE FOR RECYCLING</i> <i>SEE WITH TRACER ANALYSIS HAZARDOUS LOW REGULATORY LIMITS (ALPHA 1216403712/1421)</i>					
	2.						
	3.						
	4.						
	14. Special Handling Instructions and Additional Information						
15. <b>GENERATOR S/OFFEROR S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
DESIGNATED FACILITY	Generator's/Offero's Printed/Typed Name		Signature		Month Day Year		
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name		Signature		Month Day Year		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator)					Shipping Document Tracking Number: _____ U.S. EPA ID Number	
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name		Signature		Month Day Year			



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348468</b>		
5. Generator's Name and Mailing Address MATTHEW KANDER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318		Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name MALLARE Trucking		U.S. EPA ID Number 94-738				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420		U.S. EPA ID Number NOT REQ 095				
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
		1. NON-REGULATED MATERIAL, PER 40 & 49 CFR, (NON HAZ SOL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS); ** (ALPHA# 12166037; 12/16/21)	1 DOT	20	T	NONH L
		2.				
		3.				
		4.				
14. Special Handling Instructions and Additional Information **(VLS-TON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VRSIS); + 1) W:32721) A:CN327213 VRSI;H132; *(ESTIMATED WEIGHT USED)						
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Officer's Printed/Typed Name MATTHEW KANDER, G. Manager		Signature <i>[Signature]</i>		Month Day Year 1 22 22		
<b>TRANSPORTER INT'L</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:			
	17. Transporter Acknowledgment of Receipt of Shipment					
	Transporter 1 Printed/Typed Name LOGAN Leeds		Signature <i>[Signature]</i>		Month Day Year 1 24 22	
	Transporter 2 Printed/Typed Name		Signature		Month Day Year	
<b>DESIGNATED FACILITY</b>	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Shipping Document Tracking Number:					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a						
Printed/Typed Name		Signature		Month Day Year		



<b>GENERATOR</b>	<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD000632315		2. Page 1 of 1		3. Emergency Response Phone (877) 818-6087		4. Shipping Document Tracking Number <b>ZZ 00348469</b>					
	5. Generator's Name and Mailing Address MATTHEW KANDEFER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318								Generator's Site Address (if different than mailing address) SAME					
	6. Transporter 1 Company Name MALLARE Trucking								U.S. EPA ID Number 92-738					
	7. Transporter 2 Company Name								U.S. EPA ID Number					
	8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420								U.S. EPA ID Number NOT REQ 095					
<b>TRANSPORTER INT'L</b>	9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity		12. Unit Wt/Vol.		13. Codes	
			1. NON-REGULATED MATERIAL PER 46 & 49 CFR, (NON HAZ. SOIL WITH TRACE ARSENIC, BARIUM, BELOW REGULATORY LIMITS) ** (ALPHA# L2166037; 12/16/21)				No. Type		20 T				NONE	
			2.											
			3.											
			4.											
<b>DESIGNATED FACILITY</b>	14. Special Handling Instructions and Additional Information VEST (H132); (NEED C.O.D.S); ** (EMERGENCY RESPONSE # (877) 818-6087; CONTRACTED BY VESTIN); + 1) W:327213 ACCIN327213 VEST; H132; ** (ESTIMATED WEIGHT USED)													
	15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.													
	Generator's/Officer's Printed/Typed Name MATTHEW KANDEFER								Signature [Signature]		Month Day Year 1 02 22			
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____													
	17. Transporter Acknowledgment of Receipt of Shipment Transporter 1 Printed/Typed Name Dan VanHorn Signature [Signature] Month Day Year 1 24 22 Transporter 2 Printed/Typed Name Signature Month Day Year													
<b>DESIGNATED FACILITY</b>	18. Discrepancy													
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
	18b. Alternate Facility (or Generator) Shipping Document Tracking Number: _____ U.S. EPA ID Number _____													
	Facility's Phone: _____													
	18c. Signature of Alternate Facility (or Generator) _____ Month Day Year													
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)														
1. _____ 2. _____ 3. _____ 4. _____														
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month Day Year														



<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD0000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348470</b>
5. Generator's Name and Mailing Address MATTHEW KANDEFER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210			Generator's Site Address (if different than mailing address) SAME		
Generator's Phone: 716 821-6318					
6. Transporter 1 Company Name MALLARE Trucking			U.S. EPA ID Number 9A-728		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAPPEL, NY 14030-9799			U.S. EPA ID Number NOT REQ 095		
Facility's Phone: 716 496-3420					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity
			No.	Type	12. Unit Wt./Vol.
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR, GROUNDWATER SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS; ** (ALPHA# L2166037; 12/16/21)	1	DOT	20 T
	2.				
	3.				
	4.				
14. Special Handling Instructions and Additional Information (YES: 101, 112); (NEED CLOSING); (EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); + 11 W:327213 A:CN327213 VES1;4132; ** (ESTIMATED WEIGHT USED)					
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offlor's Printed/Typed Name MATTHEW Kandefer for Honeywell		Signature [Signature]		Month Day Year 11 28 22	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:		
	17. Transporter Acknowledgment of Receipt of Shipment				
	Transporter 1 Printed/Typed Name Nick Kerkhouske		Signature [Signature]		Month Day Year 11 28 22
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy				
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
	Shipping Document Tracking Number:				
	18b. Alternate Facility (or Generator)		U.S. EPA ID Number		
	Facility's Phone:				
	18c. Signature of Alternate Facility (or Generator)		Month Day Year		
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)					
1.		2.		3.	
4.					
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a					
Printed/Typed Name		Signature		Month Day Year	



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348471</b>			
5. Generator's Name and Mailing Address MATTHEW KANDERER HONEYWELL INTERNATIONAL, INC. 26 PEABODY STREET BUFFALO, NY 14210		Generator's Site Address (if different than mailing address) SAME					
Generator's Phone: 716 827-6318							
6. Transporter 1 Company Name MALLARE Trucking			U.S. EPA ID Number 4A-738				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799			U.S. EPA ID Number				
Facility's Phone: 716 496-3420			NOT REQ 095				
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# L2166037; 12/16/21)	1 D T	20	T	NONE	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information (VESION, NY2); (WELD CO375); (EMERGENCY RESPONSE # 877-818-0087; CONTRACTED BY VESIS); + 1) W 327213 A.CIN327213 VESI; H132; ** (ESTIMATED WEIGHT USED)							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name MATTHEW KANDERER fo-Honeywell		Signature [Signature]		Month Day Year 1 08 22			
<b>TRANSPORTER INT'L</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name LOHAN Lead		Signature [Signature]		Month Day Year 1 08 22		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
<b>DESIGNATED FACILITY</b>	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Shipping Document Tracking Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name		Signature		Month Day Year			



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348472</b>		
5. Generator's Name and Mailing Address MATTHEW KANDEPER HONEYWELL INTERNATIONAL INC. 20 PEABODY STREET BUFFALO, NY 14210		Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name MALLARE TOUCHING		U.S. EPA ID Number 9A-738				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799		U.S. EPA ID Number NOT REQ 095				
Facility's Phone: 716 496-3420						
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)	1 D T	20	T	NONE L
		2.				
		3.				
		4.				
14. Special Handling Instructions and Additional Information ** (VESTON, NY2); *(NEED C.O.D'S); *(EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); + 1) W.327213 A.CIN327213 VESI,H132; *(ESTIMATED WEIGHT USED)						
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Officer's Printed/Typed Name MATTHEW Kandeper for the owner						
Signature <i>[Signature]</i>						
Month Day Year 1 28 22						
<b>TRANSPORTER INTL</b>	18. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
	17. Transporter Acknowledgment of Receipt of Shipment					
	Transporter 1 Printed/Typed Name Jan Van Horn					
Signature <i>[Signature]</i>						
Month Day Year 1 28 22						
<b>DESIGNATED FACILITY</b>	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Shipping Document Tracking Number:					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone:					
18c. Signature of Alternate Facility (or Generator)						
Month Day Year						
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)						
1. 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a						
Printed/Typed Name Signature						
Month Day Year						



<b>SHIPPING DOCUMENT</b>	1. Generator ID Number NY D 0 0 0 6 3 2 3 1 5	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number <b>ZZ</b>			
5. Generator's Name and Mailing Address MATTHEW KANDEPER HONEYWELL INTERNATIONAL, INC. 20 PEABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318		Generator's Site Address (if different than mailing address) SAME					
6. Transporter 1 Company Name		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420		U.S. EPA ID Number  NOT REQ 0 9 5					
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes	
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 12166037; 12/16/21)				H	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name MATTHEW Kandeper for Honeywell		Signature <i>[Signature]</i>		Month Day Year 11 28 00			
<b>TRANSPORTER INT'L</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name Nick TORRES		Signature <i>[Signature]</i>		Month Day Year 11 28 21		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
<b>DESIGNATED FACILITY</b>	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Shipping Document Tracking Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name		Signature		Month Day Year			

GENERATOR / SHIPPER'S INITIAL COPY



## Appendix F - Site Soil Disturbance Events Documentation – Asphalt and concrete improvements





ADVANCED MATERIALS  
20 Peabody Street  
Buffalo, NY 14210  
[www.honeywell.com](http://www.honeywell.com)

1/22/2022

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

**Re: Site Management Plan – Asphalt/Concrete Improvements**  
NYSDEC Site Number 915002

Dear Mr. Vaccaro:

Honeywell completed asphalt and concrete improvements at the site in 2021. The area of excavation/improvement was partially in Area #1 as defined in the Site Management Plan. Area #1, in the Site Management Plan, has had arsenic concentrations from 48.7 to 224 mg/kg. See attached map for approximate locations of the asphalt improvements.

Occhino Corp is the contractor that performed the following scope of work for the asphalt installation:

3 Areas: 1600SF, 860SF and 2400SF  
Excavate to allow for the following:  
10" #2 Crushed Limestone compacted to a minimum density of 95%  
Place and compact 3" Type 3 Dense Binder NYSDOT series 80 compaction specs  
Place and compact 1 ½" Type 7 Top NYSDOT series 80 compaction specs

Area Approximate 400SF  
Saw cut  
Excavate existing asphalt  
Place 2" Type 3 Dense Binder NYSDOT series 80 compaction specs  
Place 1 ½" Type 7 Top NYSDOT series 80 compaction specs

Replace 30x30x3 ½ drainage inlet with new precast from Kistner Concrete Products  
Saw cut, excavate, reattach existing piping, backfill with select limestone compacted to 95% min.  
Pour concrete collar 8" in depth with 4500psi concrete  
Seal with cure

Area 6x15  
Excavate  
Place necessary stone up to 8"  
Place 6" 4500 psi concrete with mesh broom finish  
Seal with cure

All soil was excavated and staged for sampling and disposal. Soil was staged on poly sheeting and covered with poly sheeting until the sample results are received. The stone backfill for all excavations



**ADVANCED MATERIALS**

**20 Peabody Street**

**Buffalo, NY 14210**

[www.honeywell.com](http://www.honeywell.com)

was 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).

Photos, laboratory analysis and waste manifests are attached.

Photos:







ADVANCED MATERIALS

20 Peabody Street

Buffalo, NY 14210

[www.honeywell.com](http://www.honeywell.com)



**LEGEND:**

- SITE BOUNDARY (FOR SITE MANAGEMENT PLAN)
- ESTIMATED AREA WITH ELEVATED ARSENIC CONCENTRATION IN SURFACE SOIL
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- TEST BORING LOCATION
- SOIL SAMPLING LOCATION
- SOIL SAMPLING LOCATION
- MANHOLE LOCATION
- AREA OF CONCERN
- CRASSY AREA
- GRAVEL AREA
- CONCRETE AREA
- ASPHALT PAVEMENT AREA

**NOTE:**  
ALL AREAS WITHIN THE SITE BOUNDARIES INCLUDING UNDERNEATH BUILDINGS, ARE SUBJECT TO THE INSTITUTIONAL AND ENGINEERING CONTROLS AND THE SITE MANAGEMENT PLAN, INCLUDING THE EXCAVATION WORK PLAN.

CAVATION #1  
STORM SEWER  
0-8' IN DEPTH

figure 3  
ESTIMATED AREAS OF ARSENIC IMPACT  
20 PEABODY STREET  
Buffalo, New York

**NOTE:**  
ALL AREAS WITHIN THE SITE BOUNDARIES  
INCLUDING UNDERNEATH BUILDINGS, ARE  
SUBJECT TO THE INSTITUTIONAL AND  
ENGINEERING CONTROLS AND THE SITE  
MANAGEMENT PLAN, INCLUDING THE  
EXCAVATION WORK PLAN.





## ANALYTICAL REPORT

Lab Number:	L2166037
Client:	Honeywell 20 Peabody Street Buffalo, NY 14120
ATTN:	Matthew Kandefer
Phone:	(716) 827-6318
Project Name:	SOIL SAMPLING DEC 2021
Project Number:	Not Specified
Report Date:	12/16/21

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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).

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



**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2166037-01	ASPHALT SOIL REMOVAL	SOIL	BUFFALO, NY	12/02/21 10:00	12/02/21
L2166037-02	STORM SEWER MODIFICATION SOIL COMP A	SOIL	BUFFALO, NY	12/02/21 10:05	12/02/21
L2166037-03	STORM SEWER MODIFICATION SOIL COMP B	SOIL	BUFFALO, NY	12/02/21 10:10	12/02/21



**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

### 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.

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**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

**Lab Number:** L2166037  
**Report Date:** 12/16/21

### 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](http://www.alphalab.com) and building a Data Usability table (format 11) in our Data Merger tool.


#### Total Metals

The WG1581706-3 MS recovery for arsenic (145%), performed on L2166037-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1581706-4 Laboratory Duplicate RPD for arsenic (93%), performed on L2166037-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/16/21



# **VOLATILES**

**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01  
 Client ID: ASPHALT SOIL REMOVAL  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:00  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 20:23  
 Analyst: NLK  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	13		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
dibromofluoromethane	112		70-130



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02  
 Client ID: STORM SEWER MODIFICATION SOIL COMP A  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:05  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 20:43  
 Analyst: NLK  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	110		70-130

**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03  
 Client ID: STORM SEWER MODIFICATION SOIL COMP B  
 Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:10  
 Date Received: 12/02/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 12/07/21 21:03  
 Analyst: NLK  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 12/06/21 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
dibromofluoromethane	110		70-130



## METALS

**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01

Date Collected: 12/02/21 10:00

Client ID: ASPHALT SOIL REMOVAL

Date Received: 12/02/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Barium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 10:42	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:55	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01

Date Collected: 12/02/21 10:00

Client ID: ASPHALT SOIL REMOVAL

Date Received: 12/02/21

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	59.8		mg/kg	0.494	--	1	12/13/21 12:00	12/15/21 17:20	EPA 3050B	1,6010D	EW



**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02

Date Collected: 12/02/21 10:05

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP A  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Barium, TCLP	0.649		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 10:52	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:42	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-02

Date Collected: 12/02/21 10:05

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP A  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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**Total Metals - Mansfield Lab**

Arsenic, Total	21.6		mg/kg	0.509	--	1	12/13/21 12:00	12/15/21 17:05	EPA 3050B	1,6010D	EW
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**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03

Date Collected: 12/02/21 10:10

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP B  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 12/07/21 15:02

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Barium, TCLP	0.622		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/12/21 16:41	12/13/21 11:02	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	12/12/21 17:44	12/13/21 21:46	EPA 3015	1,6010D	DL





**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-03

Date Collected: 12/02/21 10:10

Client ID: STORM SEWER MODIFICATION SOIL

Date Received: 12/02/21

Sample Location: COMP B  
BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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**Total Metals - Mansfield Lab**

Arsenic, Total	70.7		mg/kg	0.522	--	1	12/13/21 12:00	12/15/21 17:10	EPA 3050B	1,6010D	EW
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# **INORGANICS & MISCELLANEOUS**



**Project Name:** SOIL SAMPLING DEC 2021**Project Number:** Not Specified**Lab Number:** L2166037**Report Date:** 12/16/21**SAMPLE RESULTS**

Lab ID: L2166037-01  
Client ID: ASPHALT SOIL REMOVAL  
Sample Location: BUFFALO, NY

Date Collected: 12/02/21 10:00  
Date Received: 12/02/21  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.5		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI



**Project Name:** SOIL SAMPLING DEC 2021**Project Number:** Not Specified**Lab Number:** L2166037**Report Date:** 12/16/21**SAMPLE RESULTS****Lab ID:** L2166037-02**Client ID:** STORM SEWER MODIFICATION SOIL COMP A**Sample Location:** BUFFALO, NY**Date Collected:** 12/02/21 10:05**Date Received:** 12/02/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.5		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI





**Project Name:** SOIL SAMPLING DEC 2021**Project Number:** Not Specified**Lab Number:** L2166037**Report Date:** 12/16/21**SAMPLE RESULTS****Lab ID:** L2166037-03**Client ID:** STORM SEWER MODIFICATION SOIL COMP B**Sample Location:** BUFFALO, NY**Date Collected:** 12/02/21 10:10**Date Received:** 12/02/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	12/07/21 07:58	121,2540G	RI



**Project Name:** SOIL SAMPLING DEC 2021  
**Project Number:** Not Specified

Serial\_No:12162116:46  
**Lab Number:** L2166037  
**Report Date:** 12/16/21

### Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

#### Cooler Information

Cooler	Custody Seal
A	Absent

#### Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166037-01A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-01C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-01D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-01S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-01T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	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)
L2166037-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2166037-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-02D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-02S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-02T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	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)
L2166037-02X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2166037-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166037-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180)
L2166037-03C	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		TCLP-EXT-ZHE(14)
L2166037-03D	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L2166037-03S	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)



**Project Name:** SOIL SAMPLING DEC 2021

**Project Number:** Not Specified

Serial\_No:12162116:46

**Lab Number:** L2166037

**Report Date:** 12/16/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2166037-03T	Vial unpreserved Extracts	A	NA		3.0	Y	Absent		TCLP-VOA(14)
L2166037-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2166037-03X9	Tumble Vessel	A	NA		3.0	Y	Absent		-

**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21

## 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.)
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:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**Footnotes**

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

**Terms**

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

**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 Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

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

**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(ah)+(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, 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.

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.)

**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 concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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

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**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21**Data Qualifiers**

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.)

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**Project Name:** SOIL SAMPLING DEC 2021**Lab Number:** L2166037**Project Number:** Not Specified**Report Date:** 12/16/21

## 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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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**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: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.





<b>GENERATOR</b>	SHIPPING DOCUMENT	1. Generator ID Number NYD000632315	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348438</b>
	5. Generator's Name and Mailing Address MATTHEW KANDEFER HONEYWELL INTERNATIONAL, INC. 29 PRABODY STREET BUFFALO, NY 14210 Generator's Phone: 716 827-6318			Generator's Site Address (if different than mailing address) SAME.	
	6. Transporter 1 Company Name OCCHINO CORPORATION			U.S. EPA ID Number 9A-1002	
	7. Transporter 2 Company Name			U.S. EPA ID Number	
	8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799 Facility's Phone: 716 496-3420			U.S. EPA ID Number NOT REQ 095	
<b>TRANSPORTER</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity
		1. NON-REGULATED MATERIAL PER 40 & 49 CFR (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM, BELOW REGULATORY LIMITS, ** (ALPHA 12106037 121671))	1 D 1		20
		2.			
		3.			
		4.			
<b>DESIGNATED FACILITY</b>	13. Codes NONE				
	14. Special Handling Instructions and Additional Information ** (VESION NY2); ** (NEED C.O.D.S); ** (EMERGENCY RESPONSE # 1-877-818-0087; CONTRACTED BY VESTS); + 1) W-327213 A/CIN327213 VEST, H132; ** (ESTIMATED WEIGHT USED)				
	15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
	Generator's/Offor's Printed/Typed Name Matthew Kandefer		Signature [Signature]		Month Day Year 1 1 13
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____				
<b>DESIGNATED FACILITY</b>	17. Transporter Acknowledgment of Receipt of Shipment				
	Transporter 1 Printed/Typed Name		Signature		Month Day Year
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
	18. Discrepancy				
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Shipping Document Tracking Number: _____				
18b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone: _____					
18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)					
1.		2.		3.	
				4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a					
Printed/Typed Name		Signature		Month Day Year	





<b>SHIPPING DOCUMENT</b>		1. Generator ID Number NYD0000632314	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number <b>ZZ 00348439</b>		
5. Generator's Name and Mailing Address MATTHEW KANDEPER HONEYWELL INTERNATIONAL, INC 26 PEABODY STREET BUFFALO, NY 14210			Generator's Site Address (if different than mailing address) SAME:				
Generator's Phone: 716 827-6318							
6. Transporter 1 Company Name OCCHINO CORPORATION				U.S. EPA ID Number 9A-1002			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address WM OF NEW YORK, LLC 10860 OLEAN ROAD CHAFFEE, NY 14030-9799				U.S. EPA ID Number			
Facility's Phone: 716 496-3420				NOT REQ			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1.	NON-REGULATED MATERIAL PER 40 & 49 CFR, (NON HAZ SOIL WITH TRACE ARSENIC, BARIUM; BELOW REGULATORY LIMITS) ** (ALPHA# 1.216607, 12/16/21)	1	D-T	20	T	NONE
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information (YES FOR INTL); (NEED LIT); (EMERGENCY RESPONSE #1-877-818-0087; CONTRACTED BY VESTIS; + 1) W-327213 A C/N327213 VESI, H132, ** (ESTIMATED WEIGHT USED)							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Officer's Printed/Typed Name Matthew Kandeper			Signature [Signature]		Month Day Year 1 3 20		
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name		Signature		Month Day Year		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
				Shipping Document Tracking Number			
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)				Month Day Year			
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name			Signature			Month Day Year	

**GENERATOR / SHIPPER'S INITIAL COPY**